Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 151 No. 22

June 2, 1947

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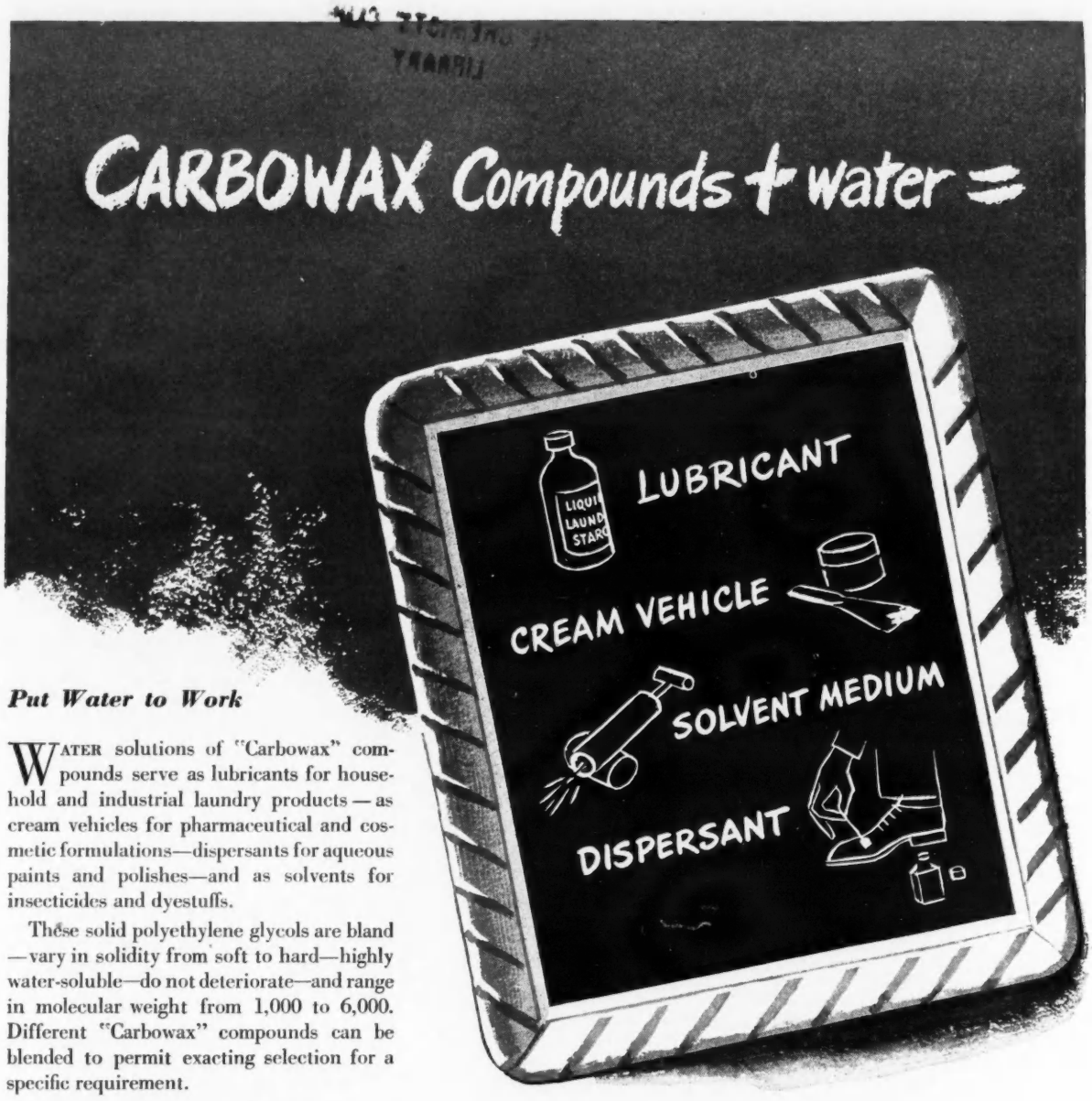

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Oil, Paint and Drug Reporter

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THE CHEMISTS' CLUB LIBRARY

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CCC Naval Stores Loan Program Set

OPD Washington Bureau

The Commodity Credit Corporation announced last week that the 1947 crop of gum naval stores will be supported by a loan program of 90 percent of parity established April 1, which amounts to $119.02 per production unit. This unit consists of fifty gallons of turpentine and 1,400 pounds of rosin.

As between the two commodities, the loan program breaks down to 60.8 cents per gallon for bulk gum turpentine and $6.33 per 100 pounds of base "K" grade gum rosin. No loans will be made on rosin grading below "G." This compares with loans last year of 74.43 cents per gallon for gum turpentine and $4.05 per 100 pounds for the base "K" grade gum rosin when the combined loan amounted to $93.91 per production unit.

The loans will be adjusted periodically by the agency to meet the changes in prices for the two commodities on the Savannah exchange. To be eligible for loans, gum naval stores must be stored in approved warehouses; rosin must be packed in metal drums and placed in approved warehouses and turpentine must be placed in bulk storage tanks at approved warehouse.

The loans will be made available through the American Turpentine Farmers Association cooperative at Valdosta, Ga., to producer-members who comply with the 1947 naval stores conservation program. The program starts immediately.

Household Dye Trade Practice Rules Approved

OPD Washington Bureau

The Federal Trade Commission announced last week it had approved trade practice rules for the household dye industry.

Proceedings leading up to promulgation of the rules were instituted in November, 1946, after President Truman had endorsed, and the congress had appropriated funds for, the commission's plan of placing greater emphasis on the elimination of unfair trade practices through the holding of trade practice conferences for industries.

Commissioner Lowell B. Mason presided at the household dye industry conferences which preceded the drafting and promulgation of the rules.

Exports Control Extension Approved

OPD Washington Bureau

The house committee on armed services voted its approval last week of legislation to continue the export control program for another year beginning June 30. A provision was written into the bill (H. R. 3049) directing the President to review all the commodities under control on December 31 with the view to bringing about an end of the controls before June 30, 1948.

The legislation now goes to the floor for house passage. A similar bill is pending before the judiciary committee of the senate on which hearings have been held, but no action taken as yet.

Mineral Allowances Extension Asked

OPD Washington Bureau

Representative Bertram Gearhart of California has introduced in the house a bill (H. R. 3624) to extend the percentage depletion allowances of Section 124 (E) of the revenue act of 1943 to include fluorspar, flake graphite, vermiculite, beryl, feldspar, mica, talc, lepidolite, spodumene, barite, ball and sagger clays, rock asphalt, and thenardite. The allowances would be made with respect to taxable years beginning after December 31, 1946.

Economic Poisons Bill Up in Senate

OPD Washington Bureau

The Andresen insecticide bill (H. R. 1237) extending government controls over the distribution of all economic poisons was reported to the senate last week without amendment by the senate committee on agriculture. The bill now goes to the senate calendar for passage.

FTC Conducting Survey on Prices

OPD Washington Bureau

A survey to determine levels of consumer commodity prices in various industries, as established or suggested by manufacturers, is being conducted by the Federal Trade Commission.

Telegrams were sent out by the commission last week to more than 200 manufacturers of drugs, electrical appliances, household furnishings, certain apparel items and other consumer goods requesting that they report as soon as possible on the following:—

1. The wholesale and retail resale price named in fair trade contracts in effect April 1, 1946; January 1, 1947; April 1, 1947, and May 15, 1947.

2. Suggested wholesale and retail prices if price is not fixed by contract for the above dates.

3. Changes in discounts to retailers and wholesalers between April 10, 1946, and May 15, 1947.

The survey is being conducted by the commission on its own motion under Section 6 of the FTC act.

Monsanto Quits Oak Ridge Project

The Monsanto Chemical Company, St. Louis, will terminate on June 30 its contract for operation of the atomic energy research and development laboratories at Oak Ridge, Tenn., according to a joint announcement of the company and the Atomic Energy Commission. The work will be turned over to another private contractor.

Fertilizer Project Opposed By Secretary of Agriculture

OPD Washington Bureau

The soil fertility bill of the American Farm Bureau Federation (S. 1251) which would place the government in competition with private industry in the production of fertilizer was strongly opposed by Secretary of Agriculture Clinton Anderson before the senate committee on agriculture last week.

While favoring the objectives of the measure to increase the use of fertilizer and liming materials, the secretary said that he thought "it would be a mistake at this time for the government to carry out the provisions of the bill for the construction of a plant to manufacture fertilizer."

He based his objections on these three points:—

1. Although progress has been slow because of the shortage of construction materials and equipment, private industry is expanding its production facilities.

2. In addition to the construction of new facilities, private industry has bought or leased under long-term arrangements five of the government-owned ammonia plants.

3. He was not satisfied that the proposed location of the government plant at Mobile, Ala., and the proposed processes would result in the most economical production and distribution of fertilizer.

"In my opinion, Mr. Anderson said, it is better public policy to allow private industry to use the available construction materials and equipment and to buy or lease available government plants than to put the government into further competition with private industry at this time."

The hearing got underway with the initial testimony being presented by the sponsors. Senator Bourke Hickenlooper of Iowa, who introduced the bill for the American Farm Bureau Federation, described it as "a sound practical program" that would create no new machinery. He estimated its cost at $26,00,000, of which $16,000,000 would be needed for the demonstration program, $9,000,000 to cover cost of constructing the Mobile plant, and $1,000,000 to acquire the privately-owned phosphate lands in Florida needed to run the Mobile plant.

The need for the legislation, he said, springs from the fact that the farmers have been unable to obtain enough fertilizer, especially those fertilizers containing phosphates and potash. The shortage is particularly acute, he stated, in the midwest because of the lack of sufficient producing plants in that area. His remarks consisted primarily of the points set out in the policy provisions of the bill.

While it is too early to predict the

—*Continued on page 35*

Nitrogen Supply Critical for 1948

OPD Washington Bureau

World supplies of nitrogen for fertilizer production in 1948 are expected to fall nearly 1,000,000 tons short of meeting requirements, according to the report of the fertilizer committee of the International Emergency Food Council made public at the council's fourth meeting last week.

At the same time, the committee reported that improvement in the supplies of potash, phosphate rock and soluble phosphates had reached such a point that it recommended, and the central committee approved, the discontinuance of allocation recommendations for these materials, effective July 1.

The committee estimated the 1947-48 nitrogen supply at 2,800,000 tons for the entire world as against stated requirements of 3,700,000 tons. The production is only 8 percent above the prewar level while consumption requirements are 35 percent greater than actual prewar consumption.

The committee said the width of the gap between supplies and requirements constitutes the basic problem confronting it in its efforts to

—*Continued on page 62*

Potash Land Opened For Development

OPD Washington Bureau

Secretary of the Interior J. A. Krug last week announced his approval of a public land order making more than 200,000 acres of potash reserved land in Grand County, Utah, available for general resource development. These lands had been set aside as a Federal reserve in 1945.

Under the order applications for leases filed prior to the establishment of the reserve in 1945 will be recognized and applications previously rejected will be reconsidered.

Price Trend Descent Slowed

The short week and a tightening of supplies in some places put a check on the influence of the continuing slack in buying interest in the markets for chemicals, oils, and drugs last week. This slowed the rate of the downward trend of prices, but did not stop it. Prices in heavy chemicals got a bit of upward activation. Shortened supplies brought price advances on some vegetable oils; export demand boosted quotations on several oilseed meals; but the prevailing trend in the oils and fats market was still downward, mainly under the influence of animal oils. Castor beans were cut deeply.

The chlorine scarcity effected a higher quotation on barium chloride; barium oxide was cheaper. The stimulating influences affecting acetic acid prices reached acetic anhydride. They were offset by relations of supply and demand in connection with isobutyl acetate and phenylacetaldehyde, which were lowered. The general trend in synthetic aromatics was downward because of oversupply—or underdemand. The same was true of essential oils, especially those up against new synthetic competition, such as citronella and lemongrass.

Resale quotations were coming down with respect to heavy alkalies. Producers are getting closer to the volume of domestic demand, but naphthenic acid isn't getting enough caustic. Export sales are still at a premium. Some foreign buyers of alkalies for soapmaking are being sold soapless detergents as replacements.

Heavy salts of most nonferrous metals are in much larger supply than a year ago. More new production is near at hand in copper chemicals. Developments in the azo dye field are bringing sodium nitrite closer to normal.

Shipments of sodium nitrate from Chile are gaining on schedules, but have not yet caught up. Ammonium sulphate stays tight, apparently because of back orders. It is not because a coal strike in Spain has cut off pyrites production. Buying interest in agricultural insecticides is still slack; although the bug experts are warning against probable infestations.

Coaltar chemicals have eased up a bit more, but they are by no means easy. The outlook for production of chemicals from petroleum is somewhat misty because of the talk about how insufficient is the supply of gasoline already and how short the supply of furnace oil is going to be by Fall.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

May 28, 1947	May 22, 1947	May 29, 1946
144.8	145.1	135.4

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1947	1946	1945	1941
January	150.9	135.3	133.0	107.8
February	151.9	135.4	133.2	110.3
March	154.9	135.2	132.7	111.9
April	152.3	134.9	132.2	115.5
May	145.9	135.1	132.5	118.2
Year's av'age		138.8	133.3	123.2

Fertilizer Shipments To USDA Halted

OPD Washington Bureau

Suppliers of fertilizers and fertilizer materials have been ordered to stop the further shipment of these materials under contracts held with the Department of Agriculture until further notice because of the projected slash in the department's appropriations for soil conservation work in the 1948 fiscal year.

Officials could not estimate the amount of fertilizers involved nor how long the stop order will remain in effect. Issuance of the order became necessary, it was explained, so that the department could check its position in the light of prospective developments on its appropriations.

Under the terms of the appropriation bill submitted to the house, funds for the soil conservation program were reduced from the $267,000,000 recommended by the bureau of the budget to $150,000,000. Secretary of Agriculture Clinton Anderson plans to ask the senate to restore the funds.

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Hot Oil Act Crippling Seen in Funds Slash

OPD Washington Bureau

Senator Tom Connally of Texas last week warned the senate appropriations subcommittee that unless the senate restores $124,000 cut by the house from the appropriations of the Department of the Interior for enforcement of the Connally Hot Oil act, "things are going to run wild again." He said the slash from $218,000 to $94,000 would "seriously cripple" the agency set up under the act to prevent interstate shipment of oil produced in violation of state laws.

Who Has It

If you know where any of the materials listed below can be procured, please send the information to the OPD office.

Benzoquinoxonal.
Calcium methionate.
Calcium succinate.
Diketene.
Divinylacetylene.
Ethyl betaethoxypropionate.
Pyrazin.
Quisen.
Reflex blue.
Thiosorbitol.
Vinylacetylene.

Fats, Oils World Supplies Reported

OPD Washington Bureau

The Fats and Oils Committee of the International Emergency Food Council reported at the Council's fourth meeting here last week that the broad statistical picture of world supplies of fats and oils is not materially different from the appraisal submitted to the third meeting of the council in January.

Some important increases in supplies of individual oils and fats over the January estimates have been largely offset by deterioration in the prospects for others, it was stated. The substantially final outturn from 1947 whale oil production is 320,000 metric tons, an increase of 90,000 tons over the January estimate of 230,000 tons.

The Secretariat's current estimate, not yet officially confirmed, of Philippine copra production is 475,000 tons compared to 439,000 tons estimated four months ago. On the other hand, the estimate of 1947 linseed and other oil exports from Argentina has been reduced by 50,000 tons on the basis of the poor performance recorded in the first quarter.

Other increases and decreases, the report read, are either relatively minor or not sufficiently certain to warrant changes in the estimates at this time. The U. S. and Canadian oilseed crops may turn out to be larger than the estimate made four months ago, but the supply prospects in a number of Asiatic and Pacific countries are likely to deteriorate rather than improve.

Gross export supplies of fats and oils, other than olive oil and butter, available in 1947, are now statistically computed at 3,384,000 tons, compared with 3,268,000 tons in January. These totals, which include tung oil and sperm oils, assume relatively large supplies from certain Asiatic and Pacific areas; though present prospects regarding likely liftings from these areas and from South America indicate that the total availability of all export supplies may be no greater than earlier estimated.

Rheem Names Lloyd Western Plants Head

Rheem Manufacturing Company has transferred Reese B. Lloyd to Los Angeles to be manager of the western plants of the company. Mr. Lloyd, who joined Rheem in 1944, has been manager of the larger of the company's two Chicago plants for the past year.

Bids Wanted

Carbon tetrachloride, 30,000 gallons, Army Engineers Corps (New York City) invitation 150, June 4.

Compressed gases, during fiscal year 1948, Department of Justice (Seagoville, Texas) invitation 32-1796, June 5.

Drugs and chemicals, Veterans Administration (Washington, D. C.) invitation A-117, June 4; invitation A-119, June 5; invitation A-118, June 5; invitation A-122, June 6; invitation A-120, June 9; invitation A-123, June 10.

Engine fuel, aviation, 160,000,000 gallons, as required from August 1, 1947, through June 30, 1948, Army-Navy Petroleum Purchase Agency (Washington, D. C.) invitation 22, June 23.

Linseed oil, boiled, 5,202 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 246, June 18; 41,000 gallons, and raw, 1,700 gallons, Army Engineers Procurement Division (Washington 25, D. C.) invitation 38, June 18.

Paint, enamel, 2,500 gallons, Department of Justice (Lewisburg, Pa.) invitation JPI-14-2712, June 26; 15,000 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 240, June 13; 4,000 gallons, invitation 242, June 13; 10,000 gallons, invitation 245, June 18; 20,000 gallons, invitation 250, June 18; 30,000 gallons, invitation 253, June 18; various, 1,210 gallons, Army Engineers Corps (New York City) invitation 157; June 9; 1,100 gallons, Army Engineers Corps (Memphis, Tenn.) invitation 136, June; 1,000 lbs., Army Quartermaster (West Point, N. Y.) invitation 160, June 11.

Protective compound, 33,700 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 249, June 18.

Rust preventive compound, 2,780 gallons, TC Depot (Marietta, Pa.) invitation 90, June 4; 750 gallons, invitation 89, June 4; 1,000 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 247, June 17; 504 gallons, invitation 248, June 17; 10,000 gallons, Army Ordnance (Rock Island Arsenal, Ill.) invitation 157, June 19.

Soap, cleaning paste, 8,400 lbs., Treasury Department (New York City) invitation W-11298, June 6; chips, 17,500 lbs., laundry, 10,800 lbs., and powder, 26,200 lbs., Treasury Department (Washington 25, D. C.) invitation 3-W-52440-R, June 9.

New District Manager

William C. Cooper has been appointed New York district manager of the pigment color division of the Imperial Paper & Color Corporation, Glens Falls, N. Y. Mr. Cooper has been sales representative for the company for fifteen years in the New York area, and is now taking over the post of Harold A. Wakefield, who has been moved up to the general offices at Glens Falls, N. Y.

Surplus Materials Offered by WAA

About 2,750,000 pounds of surplus petroleum greases and gear lubricants are being offered for sale at fixed prices ranging from 4 cents to 10 cents per pound by War Assets Administration. They are offered on an "as is" basis in original packages ranging in size from 4-ounce tubes to 440-pound drums. Minimum quantity for purchase will be 440 pounds.

Inventories are held by WAA regional offices in Atlanta, Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Helena, Los Angeles, Louisville, Minneapolis, Nashville, New Orleans, New York, Omaha, Richmond, St. Louis, Salt Lake City, San Antonio, San Francisco and Seattle.

Other surplus materials offered by WAA include the following:—

Anthracene, ground, 2,284 pounds, 42 cents per pound, New York, NYO 71-1335.

Betanaphthylaminedimethylamine, 1,463 pounds, 70 cents a pound, New York, NYO-71-1335.

Butyl ester of acetylated polymerized ricinoleic acid, 2,940 pounds, 20 cents a pound, New York, NYO-71-1335.

Casein glue, 3,750 pounds, Seattle, SEO-71-1191, June 12.

Cleaning compounds, 12,770 pounds, 4 cents to 5½ cents a pound, New York, NYO-71-1350.

Diphenylcarbazone, 5,900 grams, 3.3 cents per gram, New York, NYO-71-1335.

Dye, fluroescein, 5,968 pounds, 5.9 cents per pound; 5,313 pounds, 6.2 cents per pound, New York, NYO-71-1335.

Hexachlorobenzene, 12 percent commercial grade, 4,500 pounds, 15 cents a pound; 9,000 pounds, 18 cents per pound, New York, NYO-71-1335.

Lake red O, 6,354 pounds, 54 cents a pound, New York, NYO-71-1335.

Methylene dichloride, 400 gallons, $1.67 per gallon, New York, NYO-71-1335.

Polyhexamethlenediamine adipamide, 1,618 pounds, $1.85 per pound, New York, NYO-71-1335.

Red squill, 217,863 pounds, 10 cents a pound, New York, NYO-71-1335.

Resin, G. E., 2851, 3,096 pounds, 31 cents a pound, New York, NYO-71-1350.

Surplus equipment currently offered by WAA includes the following:—

Cylinders, carbon dioxide, fifty-nine of 3.62-pound capacity; eighteen of 7.25-pound; five of 9.5 pound, Seattle, SEO-71-1191, June 12.

Freon liquid receiver, 475 pounds, 18, Seattle, SEO-71-1191, June 12.

MacCormack Named To N.Y. State Post

John A. MacCormack will become New York State Commissioner of Standards and Purchase on July 1, succeeding Richard S. Person, who is resigning. Mr. MacCormack is chief of the Public Works Department operations and maintenance.

Market Reports

Cedarleaf oil sank 10c. under limited demand, establishing an inside price of $1.70 per pound.

Citronella oil, Ceylon, resumed its months-long series of price reductions, as the inside price fell 10c. to make the inside price $1.70 per pound.

Copra market stiffened late in the week, and advanced $5 per ton. Trading was reported on the basis of $17.50 per short ton, Pacific coast.

Cottonseed oil, crude, was more active late in the week. Old crop was sold at 22c. per pound, tankcars, f.o.b. mills, as hedges against sales of refined oil.

Lemongrass oil sank 10c. to a new low of $1.75 per pound, as imports continued to pour in and demand remained at a very low level.

Menthol ended the past week at $8.60 to $8.75 per pound, and local sellers were disposed to confine sales thereat to comparatively small quantities because of the strength prevailing on menthol at the source.

Milk powder made from skimmed milk by the spray process will be bought in quantities not to exceed a total of 5,000,000 pounds by the Dairy Products Marketing Association, Chicago, under purchase contracts to be dated not later than June 30 next.

Soybean oil was firm, crude oil selling at 19½c. per pound, tankcars, f.o.b. mills, for June-September delivery. June shipment was held at 20c.

A.D.M.A. Meeting Program Set

The thirty-fifth annual meeting of the American Drug Manufacturers Association will be held at the Homestead, Hot Springs, Va., June 9-12. Sessions of the scientific, biological and other sections will be held on the first day and the general sessions will start on the second.

In addition to the meeting of various sections, the first day's session will be featured by an address, "Implications of the Atomic Age," by Dr. Carroll A. Hochwalt, director of the central research department for Monsanto Chemical Company, St. Louis. The programs for the scientific and biological sections are as follows:—

Scientific Section

"Medicinal Chemicals," F. D. Smith, Monsanto Chemical Company, St. Louis;" General Medicinal Preparations," J. A. Ellegood; "Glandular Products and Ferments," Frederic Fenger, Armour Laboratories, Chicago; "Vitamins and Amino Acids," A. Lee Caldwell, Eli Lilly & Co., Indianapolis; "Botanical Drugs," D. M. Copley, Norwich Pharmacal Company, Norwich, N. Y.; "Physical Tests and Standards," Joseph Rosin, Merck & Co., Rahway, N. J.; Pharmacological Assays," H. A. Holaday, E. R. Squibb & Sons, New Brunswick, N. J.; "Replacement Materials," C. L. McArthur, Frederick Stearns & Co. division of Sterling Drug, Inc., Detroit.

The pharmaceutical contact section will meet in joint session with the scientific section to hear Dr. John H. Brewer, director of the biological laboratory for Hynson, Westcott & Dunning, discuss "An in Vitro Study of Glass Particles in Ampuls."

Biological Section

"Antirabic Vaccines," W. S. Gochenour, Pitman-Moore Company, In-

—Continued on page 38

Pennsalt Names Steele To Export Dept.

Pennsylvania Salt Manufacturing Company, Philadelphia, has appointed Ben P. Steele special representative at its New York office, 40 West Fortieth street, to work in the export and resale chemical fields.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence Division of the United States Department of Commerce include the following, which are available from the division at $1 for a list for any one country:—

Glass and glassware manufacturers, Sweden.

Laundry and dry-cleaning industry, Brazil.

Medicinal and toilet-preparations importers and dealers, Tunisia.

Petroleum industry, Portugal; Union of South Africa.

Toilet-preparation manufacturers, Argentina.

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Metal Powders Use In Industry Viewed

Methods of production and new uses of metal powders were discussed at the annual spring meeting of the Metal Powder Association, held at the Waldorf-Astoria hotel, May 27. A feature of the meeting was an exhibit of metal powders and products therefrom, sponsored by fourteen companies.

The great economic importance of aluminum paint was emphasized by Ernest Scheller, president of Metal Powders, Inc., in a paper entitled "Metal Powders as Pigments."

Mr. Scheller said the metal membrane in aluminum paint reflects heat and retards radiation thus offering a good insulating effect. The metal flakes are opaque and prevent ultra violet rays from penetrating and destroying the underlying varnish which otherwise would make it brittle and cause it to crack, he said. In fact, he added, these flakes will prolong the life of a varnish five-fold.

Size Classification

Discussing an "Apparatus for Air Classification of Metal Powders," E. C. Truesdale, of the research division, technical department, New Jersey Zinc Company, Palmerton, Pa., said "production of metal powders for commercial use created a need for means of determining the sub-sieve particle size distribution of the products and indicated the desirability of some method of size classification on a commercial basis."

"A laboratory instrument," he said, "based on air elutriation according to Stokes' Law, was developed and found to be capable of accurate fractionation at particle diameters up to forty microns for spherical particles, and to give reproducible results for spherical or non-spherical particles (excepting flakes) up to seventy-five microns."

He declared that modification of the apparatus permitted conversion to a

—*Continued on page 61*

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with the OPD office:—

Alcohol, Turin, Italy (T-12).
Ampule-making machinery Griveguee, Belgium (T-9).
Caustic soda, Sao Paulo, Brazil (T-22).
Chemicals, Istanbul, Turkey (T-5); Cape Town, Union of South Africa (T-6); Rio de Janeiro, Brazil (T-17); Sao Paulo, Brazil (T-18); Formiga, Brazil (T-20); Ahmedabad, India (T-29); Istanbul, Turkey (T-32).
Coal-tar derivatives, London, England (T-3).
Colors, Ahmedabad, India (T-29).
Cosmetics, Johannesburg, Union of South Africa (T-7).
Enamel, Turin, Italy (T-15).
Fertilizers, London, England (T-3); Recife, Brazil (T-19).
Heavy Chemicals, London, England (T-3).
Leather Chemicals, Madras, India (T-4).
Milk powdering plant, Melbourne, Australia (T-27).
Molding powders, London, England (T-28).
Nonferrous metals, Brussels, Belgium (T-13).
Oils, Algiers, Algeria (T-1).
Paint, Amsterdam, Holland (T-16); Rio de Janeiro, Brazil (T-21); Porto Algre, Brazil (T-24); Sao Paulo, Brazil (T-26).
Pearl essence, London, England (T-11).
Perfumes, Johannesburg, Union of South Africa (T-7); Bombay, India (T-30).
Petroleum derivatives, London, England (T-3).
Pharmaceutical products, Thisnes lez Hannut, Belgium (T-8); Rio de Janeiro, Brazil (T-17) Formiga, Brazil (T-20); Rio de Janeiro, Brazil (T-23); Lima, Peru (T-31).
Photographic material, Belem, Brazil (T-25).
Plastics, London, England (T-3); Montrouge, France (T-14); Ahmedabad, India (T-29).
Potash, Sao Paulo, Brazil (T-2).
Rubber latex, Montrouge, France (T-14).
Silicones, Montrouge, France (T-14).
Soap, Algiers, Algeria (T-1).
Soybean cake and meal, Toronto, Canada (T-10).
Varnishes, Turin, Italy (T-15); Amsterdam Holland (T-16); Rio de Janeiro, Brazil (T-21); Porto Alegre, Brazil (T-24).
Vinyl chloride and vinyl chloride polymers, Montrouge, France (T-14).
Vinylidene, Montrouge, France (T-14).

Washington Talks It Over

The OPD Observer

The biggest unknown factor in the Washington scene today is the reception that will be accorded the labor-reform bill by President Truman when it reaches him. It is the one question that is on almost everyone's lips, and Mr. Truman is the only one who can provide the answer. Even his closest advisers are not too sure of what it will be.

Most of the forecasts are that the President will veto the measure in order not to alienate any more of the labor vote. But, there is also a large body of opinion that holds to the belief that he will sign it with reluctance and that all the talk of a veto is just for the purpose of scaring the conference committee into dropping some of its most drastic provisions. From the political point of view they hold that the President has more to loose by vetoing the measure than by signing it. It is the only labor bill that will come to him this year, and the public is demanding reforms.

Probabilities are that the bill will reach the President in about two weeks. The conference committee of the senate and house is making very good progress in ironing out the differences in the two bills with the trend in the direction of bringing back a moderate bill that Mr. Truman will find difficult to turn down and one that will be easy to pass over his veto if the President does reject it.

A bit of interesting history surrounds the bill being worked up in conference. Back in 1935, when Congress wrote the Wagner act, several rather bitter fights were waged on amendments then proposed which today are now being written into the bill. There was the Tydings amendment to prohibit coercion of workers by labor unions, an amendment safeguarding the rights of free speech by employers, and another amendment forbidding strikes in defiance of union contracts. Congress could not see the merits of these amendments at that time. Today they are being written into the law.

Minimum Wage Picture

President Truman's renewed plea for boosting the minimum wage rate to 65 cents an hour may get a hearing in Congress this session; but any prospects of enactment of a bill on the subject are exceedingly dim. Republican committee chairmen are favorable to early consideration; but there is strong opposition to it among the Southern Democrats. No measures, except those which are most essential, which lead to any protracted debate appear to have any chance of passage before adjournment.

The President asked for the 65-cent wage minimum in his message announcing the signing of the portal-to-portal pay bill. He said the new minimum is necessary if Congress is to give more than lip service to the policy of the fair labor standards act of eliminating labor conditions detrimental to the maintenance of the minimum standard of living necessary for health, efficiency, and general wellbeing of workers.

While undoubtedly those workers in the South who receive less than 65 cents an hour are in the minority, the Southern reactionaries still control a good many of the votes. They argue that they are so far away from the consuming markets that they must keep their costs down to compete with their Northern competitors. The recent supreme court decision that lowered class rates on rail shipments 10 percent while adding 10 percent to the class rates of the North only partly fills the gap, they say.

Corn Fertilization Studied

Comprehensive chemical analysis has revealed recently that growing corn is a greedy feeder for a few

—*Continued on page 30*

Monsanto Names Thomas Executive Vice-President

Dr. Charles Allen Thomas, vice-president and technical director of the Monsanto Chemical Company, St. Louis, was elected executive vice-president of the company at a meeting of the board of directors held last week in Springfield, Mass. At the same time six additional vice-presidents were elected to the board. They are:

Felix N. Williams, general manager of the company's plastics division; Josiah B. Rutter, general manager of the Merrimac division; Dr. C. A. Hochwalt, director of the central research department; William W. Schneider, secretary and head of the legal department; Daniel M. Sheehan, comptroller, and C. A. Wolfe, director of purchases and traffic.

Dr. Thomas, a member of the executive committee, will continue to serve as technical director. He is president-elect of the American Chemical Society.

Goodrich Names Two Purchasing Managers

B. F. Goodrich Company, Akron, Ohio, has named Harold W. Catt manager of its textiles, paper products and advertising purchasing department to succeed Robert D. Franklin, who has resigned because of ill health. Mr. Catt's former post as manager of the chemicals and pigments purchasing department will be filled by David L. Flanders.

Mr. Catt joined the Goodrich Company in 1929 and has been with the purchasing division since 1940. Mr. Flanders joined the organization in 1937, and has spent most of the intervening time in technical positions with the raw materials and development departments.

Canadian Chemical Inst. Meets June 8-11

The Chemical Institute of Canada will hold its annual conference at the Banff Springs hotel, Banff, Alberta, from June 8 to June 11. Among the features of the conference will be a discussion of atomic energy, led by some of the men prominent in Canada's Chalk River atomic research project.

On June 10 Dr. James S. Thomson, president of the University of Saskatchewan, will address the conference on the topic, "The Social Responsibilities of Science," and on the same day an address entitled "The Economic and Professional Status of Engineers and Scientists" will be delivered by Alex E. MacRae, of Ottawa.

A symposium on western resources will be conducted on June 11 by Dr. O. B. Hopkins, vice-president of Imperial Oil, Ltd., and other technical sessions on various fields of chemistry will be held.

One of the notable features of the conference will be a comprehensive exhibit of chemical industries which will highlight recent developments and which will be participated in by many of the leading chemical firms.

Monsanto Shifts Graham To Head New Section

Monsanto Chemical Company has appointed J. M. Graham, formerly assistant director of the general development department, manager of the process section of the general engineering department, and has restored H. T. Gammon to his former post as manager of the project analysis section.

Aided by the majority of the chemical engineers previously associated with him in the development department, Mr. Graham will establish the new section to do the chemical engineering work necessary for the projects handled by the general engineering department.

In addition to these duties, his section will be expected to be prepared to handle detailed chemical engineering work necessary for the evaluation of new projects under study by the various divisions and other staff department.

Montrose Making DDT on West Coast

Montrose Chemical Corporation recently started large scale production of DDT at its Torrance, Calif., plant, and will distribute it through the Stauffer Chemical Company offices in Los Angeles, San Francisco, and North Portland, Ore.

Glass Manufacture 'Trust' Suit Settled

Settlement of a seven-year-old suit involving glass making machinery and machinery patents was announced last week by U.S. Attorney General Tom C. Clark, with the entry of an order by Judge Kloeb of the Federal District Court, Toledo, O.

Members of the glass industry involved in the litigation were the Hartford-Empire Company, Hartford, Conn.; Hazel Atlas Glass Company, Wheeling, W. Va.; Ball Brothers Company, Muncie, Ind., and Lynch Corporation, Anderson, Ind. The principal features of the settlement are as follows:

1. Hartford will change its distribution system and sell outright its current lines of glass making machinery to container manufacturers, at the latter's request, instead of leasing the machines.

2. Container manufacturers will now be able to make their own glass making machinery, or have it made for them by manufacturers of their own choice.

3. Glass making machinery manufacturers will benefit from a substantial reduction in royalty payments to Hartford. For example, the maximum rates for feeder machines are initially a third of the amount requested by Hartford, and are thereafter to be reduced. The settlement, while fixing maximum rates to be charged for patents, leaves in effect provisions of the final judgment authorizing further proceedings before the court if the royalties charged are excessive or if the patent position of Hartford deteriorates.

A further provision of the settlement requires Hartford-Empire Company to dedicate to the public, as of October 31, 1950, three of its basic patents covering glass feeders, which are essential machines in the manufacture of glass containers. Immediate cancellation of these patents, on the separate ground of fraud in their procurement, is being pressed for by the government in a suit pending in the Federal District Court of Wilmington, Del.

Separate settlement agreements also have been entered into with Hazel Glass Company, Ball Brothers Company and Lynch Corporation, under which glass making machine patents have been made available to the public at royalty rates designed to encourage their use. Owens-Illinois Glass Company, Toledo, had agreed previously to license its glass making machine patents for the nominal single royalty of $1, and a similar settlement has now been made with Ball Brothers Company.

At the time of settlement, the case was before a special master appointed by the Federal District Court in Toledo, pursuant to a mandate of the Supreme Court to fix reasonable royalty rates for defendants' glass making machinery patents.

Harris to Leave Potash Co. July 1

Charles M. Harris, regional sales manager in the north and midwest for the Potash Company of America, will resign July 1. Paul C. Ausley, manager of the company's southern sales office has been promoted to the post of regional sales manager, with headquarters in New York.

Mr. Ausley will be succeeded in Atlanta by W. H. Appleton, who will be assisted in Florida by G. Albert Woods and by J. Robert Mell in Georgia. T. E. Bradley, manager of the midwestern sales office, Peoria, Ill., will be assisted by Myron M. Keim, whose headquarters are in Des Moines.

Carbide & Carbon To Complete Building

OPD Washington Bureau

The Carbide & Carbon Chemicals Corporation, New York, has received authorization from the facilities review committee of the Office of the Housing Expediter to complete an administrative building at the company's plant at South Charleston, W. Va. Estimated cost of the project is $1,254,300.

The committee also approved construction of a $95,714 addition to the Corpus Christi plant of the Corn Products Refining Company.

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Fats, Oils, and Waxes—Claimed (U.S. 2228268) as synthetic wax.

Resins—Intermediate (U.S. 2228268) for making synthetic resins.

Methyldi(dodecyloxymethyl)-amine

Chemical—New amine offered (U.S. 2297531) interesting to chemists, research directors, chemical patent attorneys.

Triethanolamine Abietate

Chemical—Emulsifying agent (Ger. 525821) in making dispersions and emulsions of hydrocarbons of various groups of the aliphatic and aromatic series and of other chemicals; wetting compositions in emulsified form.

Cosmetic—Emulsifying agent (Ger. 525821) in making latherless shaving cream, skin creams and lotions, shampoos, and other preparations.

Disinfectant — Emulsifying agent (Ger. 525821) in making germicidal and deodorizing preparations.

Dye—Emulsifying agent (Ger. 525-821) in making color lakes and other dye preparations in emulsified form.

Fats, Oils, and Waxes—Emulsifying agent (Ger. 525821) in making boring and drilling oils; emulsions of animal and vegetable fats, oils, and waxes; greasing, lubricating, and wetting compositions containing oils; wire-drawing oils in emulsified form.

Ink—Emulsifying agent (Ger. 525-821) in making printing and writing inks.

Insecticide and Fungicide—Emulsifying agent (Ger. 525821) in making insecticidal preparations.

Leather—Emulsifying agent (Ger. 525821) in making emulsified dressing, finishing, soaking, and waterproofing compositions, and emulsified fat-liquoring baths.

Miscellaneous — Emulsifying agent (Ger. 525821) in making cleansing, degreasing or greasing, detersive and scouring compositions; polishes; shoe creams and polishes; waterproofing compositions.

Oilcloth and Linoleum—Emulsifying agent (Ger. 525821) in making coating compositions.

Paint, Varnish, and Lacquer—Emulsifying agent (Ger. 525821) in making emulsified paints and varnishes, pigment emulsions, shellac emulsions, waterproofing compositions.

Paper—Emulsifying agent (Ger. 525-821) in making emulsified preparations used for various treatments of paper and pulp articles; sizing, waterproofing, and waxing compositions.

Petroleum—Emulsifying agent (Ger. 525821) in making cutting oils for lathe and screwpress work; kerosene, naphtha and oil emulsions; soluble greases and oils for lubricating special machinery; various emulsified textile oils.

Resins—Emulsifying agent (Ger. 525-821) in making emulsions of natural or artificial resins.

Rubber—Emulsifying agent (Ger. 525821) in making rubber compositions in emulsified form; special emulsified preparations used for coating, protecting, decorating, and other surface-treating of rubber goods.

Soap—Emulsifying agent (Ger. 525-821) in making hand-cleansing and similar compositions and scouring compositions.

Stone—Emulsifying agent (Ger. 525-821) in making compositions for treating natural and artificial stone.

Textile—Emulsifying agent (Ger. 525821) for dye and mercerizing baths; coating, dressing, finishing, impregnating, lubricating, sizing, and washing compositions; dispersions used for carbonizing, fulling, degreasing, and washing operations; degumming, milling, kier boiling, soaking, and oiling operations; printing pastes in emulsified form.

Ends Twenty-Fifth Year

Michael J. Merkin, president of the M. J. Merkin Paint Company, New York, recently celebrated the company's twenty-fifth year of business. Mr. Merkin has served as eastern regional vice-president of the National Paint, Varnish and Lacquer Association; president of the New York Paint, Varnish and Lacquer Association, and member of the paint advisory committee of the War Production Board.

Flavoring Assn. Elects Chapman President

The Flavoring Extract Manufacturers Association of the United States elected George M. Chapman, of the Liquid Carbonic Corporation, Chicago, president at its convention held last week in Atlantic City.

Other officers chosen were Leslie S. Beggs, Newark, Ohio, John N. Curlett, Baltimore, and Frank P. Nowland, Cincinnati, vice-presidents; John H. Beach, New York, treasurer, and L. P. Symmes, Springfield, Mass., treasurer.

One of the principal speakers at the meeting was Dr. William Schilling, jr., president of the Essential Oil Association, who discussed trends in flavoring materials and the relative market position of essential oils.

Calco Names Klipstein To Development Dept.

The Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J., has appointed Kenneth H. Klipstein assistant general manager in charge of the development department, and V. E. Atkins, manager of manufacturing.

The company also announced that Ames B. Hettrick, formerly an assistant manager in the pigment department, had been named assistant manager of manufacturing, and that L. M. Phelps will become Bound Brook plant production manager, succeeding Mr. Atkins, F. H. Zipf was named assistant to the manager of production.

Southern Production Club Committee to Meet

Southern Paint and Varnish Production Club's technical and advisory committee will meet in Atlanta at the Biltmore hotel, June 27-28. The purpose of the meeting is to formulate a program at the Georgia School of Technology for the development of more suitable primers for southern yellow pine.

Insecticides Use On Crops Studied

OPD Washington Bureau

Experimental work to determine the extent to which the several new insecticides now being placed on the market might be used on food crops without injury to people consuming them is being conducted by the division of pharmacology of the Food and Drug Administration.

The investigations have only just started and no findings have yet been made nor are expected for some considerable time. The work, which will cover the whole field of new insecticides, is under the direction of Dr. Arnold J. Lehman, chief of the division.

Du Pont Names Shepherd Chlorine Products Mgr.

E. I. duPont de Nemours & Co., Wilmington, has appointed C. B. Shepherd manager of the chlorine products division, following the retirement of Thomas Coyle, after more than forty years in the chemical industry.

Mr. Shepherd was formerly manager of the solvents division, which will remain under his direction after merger with the chlorine products division.

Mr. Coyle was formerly with the Roessler & Hasslacher Chemical Company, at Niagara Falls, N. Y., and had been with duPont since the latter company acquired Roessler & Hasslacher in 1930. He is a director of the Chlorine Institute and a director and former president of the Compressed Gas Manufacturers Association.

Oil Chemists Elect Officers

In addition to electing R. T. Milner president at its recent convention as reported here last week, the American Oil Chemists' Society named the following officers:—C. P. Long, Procter & Gamble Company, Cincinnati, first vice-president and membership chairman; E. W. James, Lever Brothers Company, Cambridge, Mass., second vice-president; V. C. Mehlenbacher, Swift & Co., Chicago, third vice-president; L. B. Parsons, Lever Brothers, fourth vice-president; H. L. Roschen, Swift & Co., secretary, and J. J. Vollertsen, recently retired chief of chemical research development department, Armour & Co., treasurer.

ACS Charters New Arkansas Section

The American Chemical Society has issued a charter to a new local section at the University of Arkansas, Fayetteville, which is composed of chemists and chemical engineers of the six counties in northwest Arkansas.

Dr. Harrison Hale, emeritus-professor at the university and former chairman of the society's division of chemical education and of the history of chemistry, has been elected chairman of the new section. W. W. Grigorieff, of the "ORDARK" project, was chosen chairman-elect, and William L. Belvin, of the university bureau of research, secretary-treasurer.

Rubber Chemists Discuss Research

The most recent developments in the field of synthetic rubber and the chemical ingredients used for its manufacture were featured subjects discussed at the annual Spring meeting of the American Chemical Society's division of rubber chemistry, held in Cleveland last week.

Furnace Black Production

Discussion of recent advances in the production of furnace black was undertaken in three papers prepared by Isaac Drogin and Hester Bishop, of the United Carbon Company, Charleston, W. Va.; E. M. Dannenberg, of Godfrey L. Cabot, Inc., Boston, and N. L. Catton and D. C. Thompson, of E. I. du Pont de Nemours & Co.

Mr. Drogin and Hester Bishop said that development in furnace black manufacture are now advanced to the stage where new blacks such as "Kosmos 60" and "Statex K" impart to both natural and synthetic rubber a high degree of reinforcement and resistance to wear, and added "while there are still some scorch and flex crack problems attending the use of reinforcing furnace black, it is indicated that these problems are on the way to being solved by proper acceleration."

Speaking of the mechanism involved in the reinforcement of rubber by finely divided powders, Mr. Dannenberg declared that "studies of the swelling properties of GR-S stocks loaded with carbon black indicate that there is now analogy between sulphur vulcanization and reinforcement. This evidence tends to support the theory that the association between the filler particles and the rubber matrix is entirely physical."

Describing an investigation of the effect of various types of carbon black on the swelling of "Neoprene GRM-10," Mr. Catton and Mr. Thompson said that experiments showed that the type of carbon black used affects the volume increase in a swelling medium, and that there is a high degree of correlation between hardness of the vulcanizers and the surface area of the carbon black.

Processing Channel Black

Report on the processing qualities of various types of channel black was given in a paper read by Gardner L. Brown, of the Goodyear Tire & Rubber Company, in which he described tests employing easy processing channel black, medium processing channel black, hard processing channel black, and conductive channel black.

It was found, according to the paper, that hard processing channel black gave a usable but rougher tire tread, but had to be remilled twice to bring the stock to a smoothness nearly equal to that of the easy processing type. The experiments showed definitely, the report said, that the easy processing black is the best of the channel blacks from a processing standpoint.

Henry P. Pryor, of Advance Solvents & Chemical Corporation, New York, presented a paper dealing with new plasticizers, low molecular weight polybutenes, which he said decrease milling time of natural and synthetic rubbers.

With synthetic GR-S rubber, he said, concentrates of the plasticizers above fifteen parts to 100 parts of rub-

—Continued on page 62

National Lead Names Assistant to President

Alfred H. Drewes, who has been associated with the National Lead Company since 1935 in the accounting department, and is secretary of the metal sales committee, has been named assistant to the president.

Mr. Drewes has for a long time acted as assistant to I. A. Martino, who was recently elected president of the company, and action of the board has made continuation of such assistantship official.

Price Heads N.J. Credit Executives

Everett W. Price, treasurer of Woburn Chemical Corporation, Kearny, N. J., and Woburn Degreasing Company, Woburn, Mass., was elected president of the New Jersey Association of Credit Executives at a meeting held last week in Newark.

Association Meeting Dates

American Drug Manufacturers Association, Homestead, Hot Springs, Va., June 9-12.

American Leather Chemists Association, Edgewater Beach hotel, Chicago, June 18-21.

American Management Association, Waldorf-Astoria hotel, June 11-12.

American Plant Food Council, Homestead, Hot Springs, Va., June 13-15.

American Society for Quality Control, Sherman hotel, Chicago, June 5-6.

American Society for Testing Materials, Chalfonte-Haddon hotel, Atlantic City, N. J., June 16-20.

British Chemical Society, London, July 15-17.

Chemical Institute of Canada, Banff Spring hotel, Banff, Alberta, June 8-10.

Chemical Market Research Association, Biltmore hotel, June 5

Drug, Chemical and Allied Trade section of New York Board of Trade, Pennsylvania hotel, June 25.

International Congress of Pure and Applied Chemistry, London, July 11-24.

National Association of Insecticide and Disinfectant Manufacturers, Edgewater Beach hotel, Chicago, June 9-11.

National Fertilizer Association, Essex and Sussex hotel, Spring Lake, N. J., June 20-21.

National Foreign Trade Council, St. Louis, Oct. 20-22.

National Institute of Governmental Purchasing, Pennsylvania hotel, New York, September 8-11.

National Wholesale Druggists Association, Ritz Carlton hotel, Atlantic City, N. J., October 18-23.

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Current Market Quotations Chemicals and Related Materials

May 28, 1947

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - .12
5 and 10 gals., works....lb. .14 - .15
tanks .....lb. .08 - .09

Acetaldol (see Aldol).

Acetamide, CP, fib. dms.....lb. .65 - .75
tech., fib. dms.....lb. .33 - .43

Acetanilide, tech., cryst., powd., bbls., c.l...lb. .19 - ..
l.c.l. .....lb. .20 - .28
kgs .....lb. .25 - —
USP, cryst., powd., bbls., 2,000-lb. lots..lb. .40 - .41
smaller lots.....lb. .41 - .42

Acetic anhydride, dms., c.l., frt. alld. E..lb. .13 - —
l.c.l., frt. alld. E.....lb. .14½- —
tanks, frt. alld. E.....lb. .11 - —

Acetoacetanilide, bbls., dms...lb. .60 - —
Acetone, CP, dms., c.l., divd..lb. .08½- .10½
l.c.l., divd. .....lb. .09 - .11½
tanks, divd. .....lb. .07 - .09
Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .45 - —
l.c.l., works.....lb. .50 - —
5-gal. lots, works.....lb. .55 - —
less than 5-gal. lots, works .lb. .60 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb lots..lb. 1.00 - —
dms .....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid abietic, dms., c.l., wk..lb. .07½- —
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.78 - 4.08
50%, bbls.....100 lbs. 7.56 - 7.81
70%, bbls.....100 lbs. 9.45 - 9.70
80%, bbls.....100 lbs.10.80 -11.05
glacial, synthetic, C.P., dms., works..100 lbs.13.20 -13.75
tanks .....100 lbs. 7.62 - 7.92
tech., works.....100 lbs. 9.90 -10.20
tanks, works.....100 lbs. 7.62 - 8.12
USP, dms., works..100 lbs.11.60 -11.65
USP, 36%, cbys.....lb. .1000- .1605

Acetic acid price ranges above are c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.
Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, special, USP, bbls., makers, primary distrib., point of ship't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .51 - .64
standard USP, fine, cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis. lb. .45 - .59

Freight equaled, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, cryst., powd., bbls., frt. adjusted..lb. 1.50 - 1.67

Anthranilic, resub., bbls....lb. 2.00 - 2.30
tech., bbls. .....lb. .90 - —

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - 1.75
l.c.l., E. works.....100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. 1.05 - —

Boric, tech., 99.5%, gran., bulk, ton.95.50 - —
paper bgs., c.l., frt. alld. ton.99.00 - —
ton lots, ex whse, N. Y. or Chi..ton.117.50 - —
less ton lots, same basis, ton.122.50 - —
bbls., c.l., frt. alld..ton.119.00 - —
ton lots, ex whse., N. Y. or Chi..ton.137.50 - —
less ton lots, same basis, ton.142.50 - —
cryst., powd., paper bgs., c.l., frt. alld..ton.104.00 - —
ton lots, ex whse. N. Y. or Chi..ton.122.50 - —
less ton lots, same basis..ton.127.50 - —
bbls., c.l., frt. alld.ton.124.00 - —
ton lots, ex whse., N. Y. or Chi..ton.142.50 - —
less car lots, same basis..ton.147.50 - —

USP $25 per ton higher.

Broener's, bbls.....lb. 1.22 - —

Butyric, 99%, dms., c.l., works. lb. .32 - —
l.c.l., same basis.....lb. .33 - —

Cacodylic, bots.....lb.13.00 -16.50

Camphoric, synthetic, cns...lb. 7.00 - 7.25

Caprylic, 99%, dms.....lb. .50 - —

Capric, tech., ret. dms.....lb. .45 - —

Castor oil split ret. dms...lb. .34½- —

Acid, chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works .....lb. .03¼- .04½
tanks, works.....lb. .02½- —

Chromic, 99½-99¾%, dms., c.l., lb. .20 - —
l.c.l. .....lb. .20½- .21

Cinnamic, refd., bots.....lb. 3.00 - 4.00

Citric, anhyd., gran., fine gran., dms., c.l...lb. .24½- —
l.c.l., 10,000 lbs., 1 ship't. lb. .25 - —
smaller lots, bbls.....lb. .25½- —
kgs. .....lb. .26 - —

Anhydrous citric acid powder, ½c. per lb. higher.

USP, cryst., bbls., c.l.....lb. .35 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .25½- —
smaller lots, bbls.....lb. .26 - —
kgs. .....lb. .26½- —
gran., fine gran., bbls., c.l. lb. .22 - —
l.c.l., 10,000 lbs., 1 ship't..lb. .22½- —
smaller lots, dms...lb. .23 - —
kgs. .....lb. .23½- —

USP citric acid powder, ½c. per lb. higher.

Cleve's, bbls. .....lb. .65 - 1.00

Coconut oil, dist., dms.....lb. .28 - —

Corn oil, s.d., dms., works..lb. .25¼- .25¾

Cottonseed oil, s.d., dms....lb. .25¼- .25¾

Cresylic dom., coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. 1.16 - —
l.c.l., same basis....gal. 1.19 - —
tanks .....gal. 1.10 - —

Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, divd. ....gal. .586 - —
medium grade (200°-246°), dms., 20 Cal., ref..gal. .50 - —
Sewaren, N. J., ref. gal. .636 - —
1-10, Cal. ref....gal. .570 - —
Sewaren, N. J., ref. gal. .696 - —
tanks, divd. .....gal. .646 - —

Crotonic, bbls., Canadian, wks. lb. .25 - —

Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works .....lb. .85 - .95

Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).

Formic, 85%, cbys., c.l., wks.lb. .12 - —
l.c.l., works.....lb. .12½- .14½
90%, cbys., c.l., works ...lb. .12½- —
l.c.l., works.....lb. .13 - .14½

Fumaric, tech., bbls., dm ..lb. .27 - .31

Gallic NF V, 1,000-lb. lots, bbls..lb. 1.40 - —
smaller lots.....lb. 1.43 - 1.45
technical, bbls., 1,000-lb. lots. lb. 1.23 - —
smaller lots.....lb. 1.26 - 1.28

Gamma, bbls.....lb .97 - —

Gluconic, tech., 50%, bots...lb .23 - .31
dms. .....lb .14 - —
kgs. .....lb .16 - —

Glycollic (see Acid, hydroxyacetic).

H, bbls., works.....lb. .50 - —

Hydriodic, 45-47%, cbys.....lb. 2.52 - 2.54
57%, cbys.....lb. 2.83 - 2.85

Hydrobromic, medicinal, 48%, cbys., divd. E..lb. .48 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys., same basis...lb. .35 - .37

Hydrochloric (see Acid, Muriatic).

Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. lots..lb. .30 - .40

Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
dmjn. .....lb. .21 - .23
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —

Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09

Hydroxyacetic, 70%, tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .085 - —

Hypophosphorous, USP, djns.lb. .75 - .77

Lactic, edible, 50%, bbls., 20 or more..lb. .14½- —
smaller lots.....lb. .15 - —
80%, bbls., 5 or less...lb. .24½- .24¾
plastic grade, 50%, bbls., 20 or more..lb. .17¾- —
10 or less.....lb. .18¼- —
80%, bbls., 5 or less....lb. .31¾- .32¼
tech., 22%, bbls., c.l., works. 100 lbs. 4.40 - —
l.c.l., works....100 lbs. 4.80 - —
cbys., works.....100 lbs. 5.30 - —
44%, bbls., c.l., works..... 100 lbs. 8.15 - —
l.c.l., bbls., works..... 100 lbs. 8.55 - —
cbys., works.....100 lbs. 9.05 - —
USP XII, 80%, cbys.....lb. .54 - .57
USP VIII, 70%, cbys.....lb. .52 - .55

Laurent's, bbls.....lb. .63 - —

Lauric, dist., 85%, dms.....lb. .37½- —
60%, dms. .....lb. .32 - —

Linseed oil, light, dms.....lb. .47¾- .48¼

Maleic, powd., dms.....lb. .26 - .30
Anhydride (see M).

Acid, malic, powd., kgs.....lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30

Mixed, tanks, nitric unit....lb. .05 - .06
surphuric unit .....lb. .0085- .009

Molybdic, kgs., works.....lb. .95 - 1.10

Monochloracetic, tech., flakes, 96-97%, dms..lb. .17 - .18
purified, flake, 99%, dms...lb. .21 - .22½

Monosulphonic, bbls. .....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - 1.70
l.c.l., E. works...100 lbs. 1.90 - 2.90
tanks, works .....ton.18.00 -18.20
20°, cbys., c.l., E. works.... 100 lbs. 1.85- 2.00
tanks, E. works.....ton.20.00 -21.00
22°, cbys., c.l., E. works.... 100 lbs. 2.35 - 2.50
tanks, E. works.....ton.22.00 -26.00
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —

Myristic, dist., dms.....lb. .40 - —

Naphthenic, 220-230 acidity, dms., extra, works..lb. .12 - —
tanks, works .....lb. .09 - —
230-240 acidity, dms., extra, works..lb. .17 - —
tanks, works .....lb. .14 - —

Neville and Winthers, dms..lb. .73 - —

Nicotinic, USP, dms., works.. kilo. 7.00 - 7.30

Nicotinic amide (see Nicotinamide).

Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.30 - 6.30
38°, cbys., c.l., E. works.. 100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 6.00 - 6.25
40°, cbys., c.l., E. works.... 100 lbs. 5.00 - 6.50
l.c.l., works.....100 lbs. 6.50 - 7.10
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - 7.00
l.c.l., works.....100 lbs. 7.00 - 7.25
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra..lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —

Oleic (see Oil, Red).

Oleum (see Acid, sulphuric, fuming).

Oxalic, bbls., c.l., works....lb. .13 - —
10,000 lbs. .....lb. .13¼- —
smaller lots .....lb. .14 - —
Palm oil, white, dist., dms..lb. .30½- .31
Para-aminobenzoic, cns. ....lb. 1.55 - —
Paranitrobenzoic, cns. .....lb. .80 - —
Paratoluidinmetasulphonic, bbls., works..lb. .85 - —
Peanut oil, s.d., tanks, works. lb. No prices.
Phenylacetic, bots. .....lb. 1.60 - 1.75

Phosphoric, food grade, 50% bbls., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.25 - 6.25
cbys., c.l., works, frt. equald..100 lbs. 5.00 - —
l.c.l., works, frt. alld.. 100 lbs. 6.00 - 7.50
75%, bbls., c.l., works, frt. equald..100 lbs. 5.25 - —
cbys., c.l., works, frt. equald..100 lbs. 5.50 - —
l.c.l., frt. alld....100 lbs 7.75 - 8.75
tanks, works, frt. equald., 100 lbs. 4.65 - —

USP, 100-lb. cbys., c.l....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10¼- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½

Picramic, bgs.....lb. .65 - .70

Picric, bbls. .....lb. .30 - .31

Propionic, nat., dms., works..lb. .15 - —
tanks, works.....lb. .14 - —
synth., pure, dms., works.lb. .22 - —
tanks, works.....lb. .21 - —

Pyrogallic, tech., bbls.....lb. No prices
N.F., cryst., dms.....lb. 2.50 - 2.55
resub., dms. .....lb. 3.00 - 3.02

Pyroligneous, bbls., incl., ex whse., l.c.l...gal. .41 - —

Ricinoleic, com'l split (see Acid, castor oil, split.)

Salicylic, tech., bbls., c.l.....lb. .31 - —
smaller lots.....lb. .38 - —
USP, bbls., c.l.....lb. .40 - —
smaller lots.....lb. .47 - —

Sebasic, tech., dms., c.l., works. lb. No stocks

Soybean oil, s.d., dms., works, lb. .30 - —

Stearic, double pressed, bgs..lb. .29½- .30½
single pressed, bgs.....lb. .29 - .30
triple pressed, bgs.....lb. .32½- .33½

Succinic, bbls. .....lb. .87 - .90

Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.35 - 1.40
l.c.l. .....100 lbs. 1.70 - 2.00
tanks, E, works.....ton.13.00 -13.50
66°, cbys., c.l., E. works.. 100 lbs. 1.55 - 1.70
tanks, E. works.....ton.16.50 -17.50
98°, tanks, works.....ton.17.50 -18.50
CP, USP, consumers, cbys. extra..lb. .08 - —
9-lb. bots., cs., extra..lb. .10 - —
dealers, cbys., extra....lb. .06½- —
9-lb. bots., cs., extra.lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 -20.50

Tannic, tech., bbls., dms..lb. .93 - .94

USP, fluffy, bbls., 1,000-lb. lots..lb. 1.45 - —
smaller lots .....lb. 1.47 - 1.50
powder, bbls., 1,000-lb. lots. lb. 1.25 - —
smaller lots .....lb. 1.27 - —

Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .49½- —
smaller lots, bbls..lb. .50 - —
dms. .....lb. .52 - .53
kgs. .....lb. .50½- —

Thioglycollic, refined, bbls., cbys., basis 100%..lb. 1.95 - 2.00
tech., bbls., cbys.....lb. 1.40 - —

Tobias, bbls. .....lb. .60 - —

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic, CP, 100-lb. pkgs..lb. 3.10 Nom.
pure, 100-lb. kgs.....lb. 2.80 - Nom.

Aconite leaves, bls.....lb. .75 - .80
Root, bls. .....lb. 1.10 - 1.15
Aconitine, amorph., mild, bots.oz.32.50 - —
cryst., potent, bots.....oz.35.00 - —

Acrylonitrile, dms., c.l., works lb. .29½- —
l.c.l., works .....lb. .30½- .42½
tanks, works.....lb. .28½- —

Adeps lanae, USP, anhyd., cosmetic, dms., works.lb. .27 - .29
pharmaceutical, dms., works. lb. .25 - .27

Adonis vernalis herb, bls.....lb. .65 - .70

Agar .....lb. 2.75 - 3.00

Agaric, white, bls.....lb. 2.75 - 3.00

Agrimony herb, bls.....lb. .40 - .45

Albumen, blood, dark (see Blood, soluble).
light, dms., l.c.l.....lb. .70 - —
egg, edible, cryst., gran., bbls. lb. 1.90 - 2.00
powd., bbls. .....lb. 1.95 - 2.05
tech., cryst., bbls.....lb. 1.15 - 1.30

Alcohol, allyl, dms., c.l., divd.lb. .21½- —
l.c.l., divd. .....lb. .22 - —
tankcars, divd. .....lb. .20 - —

Amyl ex pentane, dms., c.l., frt. alld. E. of Miss R. lb. .161 - —
l.c.l., frt. alld.....lb. .171 - —
tanks, frt. alld.....lb. .151 - —
(see also Fusel oil, ref.).

Benzyl, cns. .....lb. .70 - .75
dms. .....lb. .65 - —

Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .30½- —
l.c.l., frt. alld. E...lb. .31½- —
tanks, frt. alld. E...lb. .29 - —
tankwagon, frt. alld..lb. .29½- —
other production, dms., c.l., frt. alld. E..lb. .30½- —
l.c.l., frt. alld. E....lb. .31½- —
tanks, frt. alld. E....lb. .29 - —
synthetic, dms., c.l., frt. alld. E..lb. .15½- —
l.c.l., frt. alld. E...lb. .16 - —
tanks, frt. alld. E....lb. .14½- —

Normal butyl alcohol prices in West, ½c. per lb. higher.

secondary, dms., c.l., divd.lb. .11 - —
l.c.l., divd.....lb. .11½- —
tanks, divd.....lb. .09½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —

Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —

Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 2.25 - —
smaller lots.....lb. 2.30 - 2.55

Cinnamic, bots. .....lb. 3.00 - —

Denatured, CD14, dms., c.l., works, E..gal. 1.04½- —
l.c.l., works, E.....gal. 1.07½- 1.11½
tanks, E., divd.....gal. .97½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf. dms., c.l., E. works..gal. 1.05 - —
l.c.l., works, E.....gal. 1.08 - 1.12
tanks, E. works.....gal. .98 - —
Anhydrous 7c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. 1.05 - —
l.c.l., works, E.....gal. 1.08 - 1.12
tanks, E. works.....gal. .98 - —
SD23H, dms., c.l.....gal. 1.03½- —
l.c.l., works, E.....gal. 1.06½- 1.10½
tanks, E. works.....gal. .96½- —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. 1.05 - —
l.c.l., works, E.....gal. 1.00 - 1.14
tanks, E. works.....gal. .98 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. 1.05½- —
l.c.l., works, E.....gal. 1.08½- 1.12½
tanks, E. works.....gal. .98½- —

tankcar sales require written authorisation by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .13 - .15½
l.c.l., divd. .....lb. .13½- .16½
tanks, divd. .....lb. .11½- .14
tech., dms., c.l., divd.....lb. .14½- —
l.c.l., divd. .....lb. .15½- —
tanks, divd. .....lb. .13 - —

Ethyl, 190 pf., dms., c.l., works. gal.18.15 - —
l.c.l., works .....gal.18.19 -18.24
tanks .....gal.18.08 - —
absolute, dms., c.l., wks...gal.19.12 - —
l.c.l., works .....gal.19.16 -19.21
tanks .....gal.19.05 - —

Ethylhexyl, dms., c.l., works.lb. .25 - —
l.c.l., works .....lb. .26 - —
tanks, works .....lb. .24 - —

Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .19 - —

Isoamyl (see Carbinol, isobutyl).

Isobutyl, refd., dms., works.lb. .13 - —
tanks, works .....lb. .12 - —

Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .44 - .47½
l.c.l., divd. .....gal. .47 - .50½
tanks, divd. .....gal. .37 - .39
99%, dms., incl., c.l., divd.gal. .47½- .50½
l.c.l., divd. .....gal. .50½- .53
tanks, divd. .....gal. .40½- —

Methyl (see Methanol).

Methylamyl (see Carbinol methylisobutyl).

Octyl, perfumer's grade, bots.lb. 4.00 - 4.40

Phenylethyl, dms. .....lb. 2.30 - 3.50

Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .68

Propyl, normal, dms., works, gal. .82 - —
tanks, works .....gal. .75 - —

Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .47 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .44 - —
tanks, same basis.....lb. .36 - —

Aldol, dms., works.....lb. .15 - —
denaturing grade, dms....gal. 1.30 - —

Aletris root, bgs.....lb. 2.00 - 2.25

Algarobilla, c.l., ex dock.... long-ton. No prices.

Algin, bbls., fib. dms.....lb. .70 - 1.00

Alizarin (see Red, alizarin).

Alkanet, root, bgs.....lb. .75 - .80

Allspice, Mexican, futures, bgs. lb. .16 - .16½

Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd....lb. .14 - —
l.c.l., divd. .....lb. .14½- —
tanks, divd. .....lb. .12½- —

Alice, Cape, cs.....lb. .39 - .45
Curacao, kgs. .....lb. .42 - .43
Secotrine, kgs. .....lb. .47 - .48
Alein, bbls., dms., kgs.....lb. 4.20 - 4.50
Alphanaphthol, bbls.....lb. .57 - .58
Alphanaphthylamine, bbls....lb. .35 - .35¼
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald..lb. .24 - .27½
Alphapinene, wks., South, tanks, gal. 1.15 - —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, ampuls....kilo.750.00 - —
Althea root, NF, peeled, bls..lb. .40 - .45
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
powd., bbls., works...100 lbs. 4.40 - —
Potash, gran., bbls., works.... 100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works.100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .35 - .37
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works.lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works..lb. .10 - .11
l.c.l., works.....lb. .10¼- —
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32°, cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be. bbls., c.l., works, f.o.b. equaled Phila. and Chi.lb. .09½- —
l.c.l., works, same basis. lb. .10 - —
Hydrate, heavy, bgs., c.l., works..ton.56.00 - —
l.c.l., works.....ton.76.00 - —
light, bgs., dlvd.....lb. .17 - —
Hydroxide, gel tech., min. 15% lbs. or more, f.o.b. ship't point..lb. .03 - .03½
ton lots, same basis..lb. .03¼- .05¼
smaller lots, same basis. lb. .03¾- .04
9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., Al $(OH)_3$, dms., 10,000 wks..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XIII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .19 - —
Oleate, dms., contract.....lb. .43½- —
Resinate, precip., dms.....lb. .20½- —
Stearate, dibasic, ctns., c.l..lb. .46 - —
l.c.l. .....lb. .47 - —
monobasic, ctns., c.l. .....lb. .46 - —
l.c.l. .....lb. .47 - —
tribasic, ctns., c.l. .....lb. .51 - —
less ton quantities.....lb. .53 - —
Sulphate, com'l, bgs., c.l., works, frt. equald.100 lbs. 1.15 - 1.30
l.c.l., works, frt. equald. 100 lbs. 1.40 - 1.50
bbls., c.l., works frt. equald. 100 lbs. 1.55 - 1.60
l.c.l., works, frt. equald.. 100 lbs. 1.95 - 2.00
iron-free, bgs., c.l., works.. 100 lbs. 1.95 - 2.25
l.c.l., works.....100 lbs. 2.25 - 2.50
Trihydrate, heavy (see Alumina hydrate).
Aluminum, ingots, 98-99%, 10,000 lbs..lb. .15 - —
pigs .....lb. .14 - —
paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .88 - —
powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .42 - —
unpolished, stand., dms....lb. .38 - —
varnish, stand., 300-lb. dms., lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm.. 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,490 lbs., 2c. for 1,500 to 4,990 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.50 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.50 - 4.75
Ammonia acetate, reagent, crystals, bbls..lb. .34 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls., extra.....lb. .16 - —
refrigeration, tanks, works. ton.61.50 - —
Aqua, dms., c.l., works.....lb. .03 - .03¼
l.c.l., works.....lb. .03¼- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .42 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., powd., bbls., c.l., works..ton.382.00 - —
ton lots, works.....ton.368.50 - —
less ton lots, works..ton.343.50 - —
Bicarbonate, dms., extra, c.l. lb. .06¾- —
Bichromate, bbls., works....lb. .26 - .30
Bifluoride, bbls .....lb. .15 - .15½
Bromide, gran., NF, bbls....lb. .28 - —
dms. .....lb. .29 - .32
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms.lb. .06¼- .09½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs., lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls .....lb. No stocks
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
Ammonia iodide, NF, jars.....lb. 3.00 - 3.96
Linoleate, 80%, plastic, dms., works..lb. .40¼- —
kgs., works .....lb. .42½- —
25%, dms., frt. alld. zone 1. lb. .21½- —
tech., bbls., works.....lb. .37 - —
dms., works .....lb. .39 - —
Molybdate, c.p., cryst., kgs.lb. 1.26 - 1.30
fine cryst., bbls., kgs....lb. .84 - .87
purified, dms. .....lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point....ton.57.00 - —
bulk, same basis.....ton.51.00 - —
tech., bgs., works....100 lbs. 4.35 - 4.50
bbls., works .....100 lbs. 4.55 - —
Nitrate-limestone, 20.5% N, bgs. Hopewell, Va..ton.33.00 - —
Oleate, dms. .....lb. .14 - —
Oxalate, fine gran., bbls....lb. .23 - —
dms. .....lb. .25 - .29
Pentaborate, gran., bbls., c.l., works..ton.230.00 - —
ton lots, works.....ton.248.50 - —
less ton lots.....ton.253.50 - —
Ammonia pentaborate powder. $10 per ton higher.
Perchlorate, kgs. .....lb. No stocks.
Persulphate, kgs. .....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls. kgs..lb. .37 - .39
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works .....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works .....lb. .07¾- .08¾
Salicylate, NF, dms., kgs..lb. 1.25 - —
Silicofluoride, bbls. .....lb. .15 - .16
Stearate, anhydrous, dms....lb. .34 - —
paste, dms. .....lb. .06½- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, bulk, producing ovens. ton.30.00 -32.00
Sulphide, liquid, 40-45% basis. 100%, dms., c.l., works.lb. .09 - —
l.c.l., dlvd. .....lb. .15 - —
tanks, dlvd. .....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works .....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works .....lb. .06 - —
Sulphocyanide, pure, bbls....lb. .60 - .65
tech., bbls .....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.. 100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.40 - —
white, gran., bbls., c.l., works. 100 lbs. 4.75 - —
l.c.l., same basis.100 lbs. 5.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .25½- —
l.c.l., dlvd. .....lb. .26½- —
tanks, dlvd. .....lb. .24 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms. .....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .08 - —
tanks, works .....lb. .06 - —
Ether, dms., c.l., works.....lb. .095 - —
l.c.l., works .....lb. .102 - —
tanks, works .....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.95
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, cns. .....lb. .77 - 1.27
Stearate, dms., works.....lb. .42 - .45½
Anethol, com'l, dms., works..lb. .657 - .685
NF, dms. .....lb. .82 - .90
Angelica dom., atropurpurea root, bls..lb. 1.15 - 1.20
imported, natural, bls.....lb. 1.50 - 1.60
Angostura bark, bls.....lb. .55 - .60
Anilin oil, dms., c.l., works, frt. alld..lb. .13 - —
l.c.l., works, frt. alld...lb. .14 - —
tanks, works, frt. alld....lb. .12 - —
Salt, dms., works.....lb. .22 - .24
Anise, Argentine, bgs.....lb. .30 - .31
Chinese, Star.....lb. .15 - .15½
Cyprus, bgs. .....lb. .29½- .30
Mexican, bgs.....lb. .32 Nom.
Syrian, bgs.....lb. .29 - .30
Turkish, bgs .....lb. No stocks
Anisic aldehyde, dms.....lb. 2.50 - 2.75
cns., bots. .....lb. 2.80 - 2.95
Annatto, paste, bxs.....lb. .84 - .89
seed, bgs. .....lb. .19 - .20
Anthracene, 80-85%, bbls., works, lb. .60 - —
90%, bbls., works.....lb. .81 - —
Anthraquinone, 99.5%, bbls...lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, bulk, c.l., mines.....lb. .33 - .33½
Needle, Bolivian, brown, 67% cs..lb. No prices.
Chinese, black, 70%, cs....lb. No prices.
Oxide, ceramic grade, bgs., c.l., works..lb. .26 - .27½
l.c.l., works.....lb. .28¼- .28½
paint grade, bgs., c.l., works. lb. .27½- .31
l.c.l., works.....lb. .28¾- .32¾
Salt, 65%, bgs., c.l., dlvd. E. of Miss. River..lb. No stocks
Sulphide, 65-70%, bbls., c.l., works..lb. .22 - —
l.c.l., works.....lb. .24 - —
Antipyrine, bbls., kgs., ton...lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. No stocks.
Areca nuts, powd., bbls.....lb. .24 - .29
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment ports, 100 kilos (100% purity). lb.35.00 -36.00
Arnica flowers, bbls.....lb. 2.10 - 2.20
Arrowroot, powd., bgs., bbls..lb. .14 - .15
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices.
Sulphide, yellow, bbls.....lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l.....lb. .06 - —
l.c.l. .....lb. .07 - .08
Asafetida, cs. .....lb. .65 - .70
powd., bbls., dms.....lb. .72 - .77
Asbestine (see Talc, N. Y. fibrous).
Asbestos, fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines, ton.65.00 - —
5R, bgs., c.l. (20 tons), same basis..ton.58.00 - —
6D, bgs., c.l. (30 tons), same basis..ton.43.00 - —
7D, bgs., c.l., same basis.ton.38.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7K, bgs., c.l., same basis.ton.26.00 - —
7M, bgs., c.l., same basis.ton.22.50 - —
7R, bgs., c.l., same basis.ton.21.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10¼- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l. .....ton.55.00 - —
Egyptian .....ton. No stocks.
Asphaltum, gilsonite, brilliant, black, selects, 340° F fusing point, bgs., mines.. ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-390° F fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process, form, bgs., works.lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex..metric ton.27.50 - —
South American, refd., dms., c.l., N. J. Refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz.10.65 - —
sulphate, bots. .....oz. 8.75 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry, root bark, bgs.....lb. .78 - .80
Barbital, dms. .....lb. 3.50 - 3.60
sodium, dms. .....lb. 3.75 - 3.85
Barium carbonate, precip., bgs., 10 tons and up, works..ton.67.50 -75.00
small lots, works...ton.74.50 -82.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works, ton.85.00 - —
l.c.l., works.....ton.95.00 - —
Dioxide, c.l., dms., works....lb. .11½- —
l.c.l., works.....lb. .13 - —
Fluoride, bbls.....lb. .14 - —
Hydrate, crystals, bgs.....lb. .08 - .08½
Hydroxide, bbls., works.....lb. .19 - —
Iodide, bots. .....lb. 5 12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works....lb. .11½- —
l.c.l., works.....lb. .13 - —
Oxide, dms., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - .11
grd., dms., l.c.l., works...lb. .12 - .13
Peroxide (see Dioxide).
Silicofluoride, bbls. .....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .50 - —
smaller lots.....lb. .51 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. .....lb. .10 - .10½
kgs. .....lb. .12½- —
Sulphide, dms., works....ton.45.50 -64.00
Barytes, water-grd., paper bgs., c.l., St. Louis..ton.31.10 - —
l.c.l., same basis.....ton.32.10 - —
ex whse., N. Y.....ton.41.95 - —
Southern, off-color, bgs., mines. ton.19.00 - —
95.75%, bgs., mines.....ton.20.00 - —
Ore, approx. 94% $BaSo_4$, bulk, mines..ton. 8.50 -12.50
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 2.20 Nom.
Root, bls. .....lb. 1.75 Nom.
Bauxite, bulk, mines.....ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works. ton.40.00 - —
Benzaldehyde, NF, dms.....lb. .68 - .80
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzene hexachloride, tech., 10% gamma, bgs., dms., c.l., works..lb. .50 - .52½
l.c.l., works .....lb. .55 - .58
dust, dry, 50%, dms., c.l., works..lb. .43 - —
l.c.l., works .....lb. .45 - —
wet, 50%, dms., c.l., works. lb. .44 - —
l.c.l., works .....lb. .46 - —
Benzidin base, bbls.....lb. .77 - —
Benzocaine, cns.....lb. 3.50 - 3.85
Benzol (benzene), pure, nitration and 90%, dms. ret., works, frt. alld. up to 2c. gal. .24 - —
tanks, E. of Omaha, same basis..gal. .19 - —
W. Coast, Minnequa, Colo., same basis..gal. .19 - —
Benzophenone, dms. .....lb. 1.10 - 1.60
Benzoyl chloride, cbys.....lb. .25 - .28
Peroxide, pure, gran., fib. ctns., works..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns....lb. .75 - —
dms. .....lb. .60 - .65
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms...lb. 1.00 - 1.40
Chloride, refined, cbys.....lb. .22 - —
tech., cbys., works, frt. equald..lb. .20½- —
Cinnamate, cns.....lb. 3.65 - 4.00
Formate, cns. .....lb. 1.95 - 2.50
Propionate, bots. .....lb. 1.85 - 2.30
Salicylate, bots. .....lb. 1.80 - 2.25
Benzylidinacetone, bots.....lb. 2.00 - 2.70
Benzylisoeugenol, bots. .....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots. .....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betanaphthol, resublimed, dms., works..lb. .72 - —
tech., bbls., c.l., works....lb. .23 - .25
l.c.l., works .....lb. .26 - .28
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .59 - —
Betagammapicoline, dms., c.l., works..lb. .24½- .25 -
l.c.l., works .....lb. .25 -
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95% dms., works.....lb. 2.05 - —
98-99%, dms., works.....lb. 2.20 - —
Beth root, bls.....lb. .55 - .60
Bismuth chloride, jars.....lb. 4.50 - —
Citrate, USP VIII, jars.....lb. 3.12 - —
Hydroxide, dms. .....lb. 4.00 - —
Metal, ton lots.....lb. 2.00 - —
Nitrate, cryst., cns.....lb. 1.60 - —
Oxychloride, cns., dms.....lb. 3.80 - —
Oxide, anhydrous, dms.....lb. 4.20 - —
Subcarbonate, USP, dms....lb. 2.60 - 2.63
Subgallate, NF, fib. dms....lb. 2.45 - 2.48
Subiodide, fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., dms.lb. 2.15 - 2.18
Subsalicylate, USP, dms....lb. 3.06 - —
Sulphocarbolate, fib. dms....lb. 4.05 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.70 - —
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works.....lb. .18 - —
Bone, 1A, bgs., bbls., c.l., frt. alld. dest..lb. .21 - —
1. bgs., bbls., c.l., same basis. lb. .19 - —
2. bgs., bbls., c.l., same basis. lb. .17½- —
3. bgs., bbls., c.l., same basis. lb. .16½- —
4. bgs., bbls., c.l., same basis. lb. .15½- —
5. bgs., bbls., c.l., same basis. lb. .13 - —
Black, bone, 6, bgs., bbls., c.l., same basis..lb. .13 - —
7. bgs., bbls., c.l., same basis. lb. .16 - —
8, bgs., bbls., c.l., same basis. lb. .17 - —
457, bgs., bbls., c.l., same basis..lb. .13½- —
490A, bgs., bbls., c.l., same basis..lb. .10 - —

Bone black, l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works. lb. .06 - —
bgs., c.l., works.....lb. .0622- —
l.c.l., works .....lb. .07 - —
dlvd. or whse.....lb. .102 - —
uncompressed, regular, bgs., c.l., works..lb. .074 - —
bgs., ctns., l.c.l., dlvd. or whse..lb. .11¾- —
furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .09 - —
SRF, bgs., c.l., works...lb. .06½- —
ctns., l.c.l., whse.....lb. .075 - —
Thermotonic, bgs., c.l., works, La...lb. .04 - —
l.c.l., whse. Trenton, N. J., lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure bgs., l.c.l., works..lb. .09¼- —
Lamp, 1, ctns., c.l., works..lb. .08½- —
l.c.l., works .....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works .....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works .....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works .....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works .....lb. .20 - —
6, ctns., c.l., works.....lb. .21½- —
l.c.l., works .....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works .....lb. .38½- —
Mineral, vine type, bgs., l.c.l., works..lb. .03 - —
Vine A, bgs. .....lb. .03¾- .04
B, bgs. .....lb. .05¾- .06
Black ash (see Barium sulphide).
Black dyes (see Dyes).
Black haw, root bark, bls.....lb. .75 - .76
Tree bark, bls.....lb. .35 - .45
Black Indian hemp root, bls..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works..ton.67.50 - —
l.c.l., works.....ton.72.50 - —
direct process, bgs., c.l., works..ton.77.50 - —
l.c.l., works.....ton.82.50 - —
N. Y. whse.....ton.95.00 - —
bbls., c.l., works.....ton.82.50 - —
l.c.l., works.....ton.87.50 - —
N. Y. whse.....ton.100.00 - —
soluble, bgs., l.c.l.....lb. .17 - —
pulp, 65%, bbls., c.l., works. ton.55.00 - —
l.c.l., same basis....ton.60.00 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.75 - 3.00
l.c.l., works.....100 lbs. 3.25 - 3.75
bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., works.....100 lbs. 3.75 - —
Blood, dried, 16-16½% ammo., bgs..unit-ton. 7.25 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 7.00 - —
soluble, bgs., l.c.l.....lb. .17 - —
Bloodroot, bls.....lb. .65 - .70
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.90 - —
toner, bbls., litho flushed, same basis..lb. 1.10 - —
Celestial, bbls., same basis..lb. .15 - .18
Chinese, bbls., same basis..lb. .42 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis. lb. 3.75 - —
80%, bbls., same basis..lb. 3.00 - —
Iron (see Blue, Chinese, Milori, Potash Prussiate, and Soda).
Milori, bbls., same basis....lb. .42 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis. lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .48 - —
Prussian, bbls., same basis..lb. .42 - —
soluble, bbls., same basis.lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .24 - .28
jobbing type, dry, bbls., same basis..lb. .13 - .14
regular types, dry or pulp, bbls., same basis..lb. .18 - .19
Victoria, toner, molybdic, bbls. lb. 3.75 - —
tungstic, bbls. .....lb. 3.30 - 3.55
ink toner, bbls., same basis. lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 2.05 - —
Violet toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.50 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blue mass, NF, cns., tube....lb. 1.47 - 1.49
powd., bots., cns., dms.....lb. 1.50 - 1.52
Bluing, root, bls.....lb. No stocks.
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls.....lb. .11 - .12
Bone, raw bulk, Chicago....ton.75.00 - —
junk, bulk, same basis..ton.50.00 -52.00
Meal, raw 4½% ammon., 50% phos., bgs., E. works.. ton.65.00 - —
Chicago, works..ton.60.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.65.00 - —
Chicago, works....ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.60.00 - —
Chicago, works....ton.60.00 - —
Phosphate, defluorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .17 - .18
Borage flowers, bls.....lb. .60 - .62

CARLOADS, SPOT

SULFAMIC ACID
For Weed Killer Compounds and Textile Fireproofing
PROPYLENE GLYCOL N.F.
HYDROGEN PEROXIDE
MONOETHANOLAMINE

HANSA YELLOW No. 503
HANCOCK YELLOW No. 1006
ZINC CHROMATE YELLOW
ALKALI FAST DARK RED RM 545
INDIGO PULP 20% PIG.
No. 1148 BURNT SIENNA
DICALITE
(WHITE FILLER GRADE)
PERMANSA GREEN
DURATINT GREEN
PARA TONERS
HELIOGEN BLUE

LARGE WAREHOUSE QUANTITY, SPOT

PARADICHLORBENZENE
FINES, CRYSTALS AND NUGGETS

Export and Domestic Packing

WILLIAM D. NEUBERG CO., INC.

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE. • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324
CABLE—"WILNEUBERG"

Borax, tech., 99½% cryst., paper bgs., c.l., works, frt. alld. ton.53.50 -56.00
ton lots, ex whse., N. Y. or Chi..ton.71.00 - —
less ton lots, same basis. ton.76.00 - —
bbls., c.l., works, frt. alld. ton.73.50 - —
ton lots, ex whse., N. Y. or Chi..ton.91.00 - —
less ton lots, same basis. ton.96.00 - —
fine gran., bulk, works..ton.44.50 -47.50
paper bgs., c.l., works, frt. alld..ton.48.50 - —
ton lots, ex whse., N. Y. or Chi..ton.66.00 - —
less ton lots, same basis. ton.71.00 - —
bbls., c.l., works, frt. alld. ton.68.50 - —
ton lots, ex whse., N. Y. or Chi..ton.86.00 - —
less ton lots, same basis. ton.91.00 - —
powdered, paper bgs., c.l., works, frt. alld..ton.53.50 - —
ton lots, ex whse., N. Y. or Chi..ton.71.00 - —
less ton lots, same basis. ton.76.00 - —
bbls., c.l., works, frt. alld. ton.73.50 - —
ton lots, ex whse., N. Y. or Chi..ton.91.00 - —
less ton lots, same basis. ton.96.00 - —

Borax packed in kgs is $40 per ton higher than borax packed in paper bags.
USP, $15 per ton higher.

Bordeaux mixt., bgs., c.l., whse., works, frt. alld..lb. .15 - .21
l.c.l., same basis.....lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - 1.70
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 5.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cans.,dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms.,same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .96 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls. .....lb. .29 - .30
Brown, iron-oxide, pure, precip., cks., works..lb. .10¼- .12
Metallic, bgs., c.l., works..lb. .02½- .02¾
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06¼- .10¾
pap. bgs., l.c.l., same basis..lb. .04 - .04½
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bgs., l.c.l., works..lb. .05¾- .11¾
Italian type, bbls., works. lb. .11½- .13½
Umber, burnt, American, bbls., works..lb. .05¼- —
Italian-type, bbls., works.lb. .05 - —
Brown, umber, burnt, Turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .05½- .05¾
St. Louis, Chicago, Indianapolis, New Orleans..lb. .06½- —
Minneapolis .....lb. .0660- —
Pittsburgh .....lb. .06¾- —
Los Angeles.....lb. .07½- —
Portland, San Francisco, Seattle..lb. .06¾- —
ex whse., Los Angeles. lb. .07½- —
Portland, San Francisco, Seattle..lb. .07 - —
Vandyke, reg., bbls., works.lb. .10 - .11
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .40 - .50
Sulphate, cns., 100 ozs.....oz. .40 - .45
Bryonia root, bls.....lb. .45 - .50
Buchu leaves, bls.....lb. 1.10 - 1.15
Buckthorn bark, bls.....lb. .34 - .35
cut and sifted, bbls.....lb. .45 - .46
Berries, bgs.....lb. 1.00 - 1.10
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R.lb. .30½- —
l.c.l., same basis..lb. .31½- —
tanks, same basis..lb. .29 - —
tankwagon, same basis. lb. .29½- —
other production, dms., c.l., same basis..lb. .30½- —
l.c.l., same basis...lb. .31½- —
tanks, same basis....lb. .29 - —
synthetic, dms., c.l., same basis..lb. .15¼- —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .14½- —
Butylacetate, secondary, dms., c.l., dlvd. E. of Miss R. lb. .1260- —
l.c.l., same basis.....lb. .1310- —
tanks, same basis.....lb. .1150- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .41½- —
l.c.l., same basis.....lb. .42½- —
tanks, same basis.....lb. .40 - —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. No prices
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. No stocks
tanks, dlvd.....lb. No stocks
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .47½- —
Butyric ether, bots.....lb. 6.50 - 6.90
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

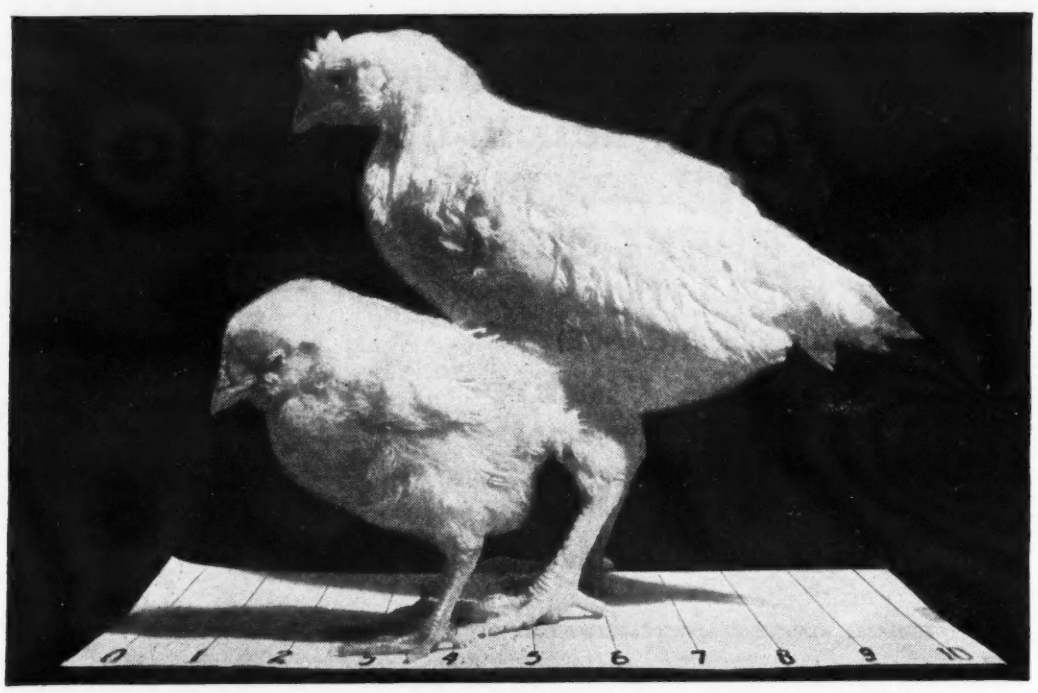
C

Cadmium bromide, jars.....lb. 1.66 - 1.91
Iodide, cns.....lb. 4.49 - 4.64
Lithopone (see Yellow).
Metal, ingots or sticks, dlvd.. lb. 1.75 - 1.80
pat. shapes, cs., dlvd.....lb. 1.75 - 1.80
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, dms., 100 lbs. or more. lb. 3.75 - 7.00
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, dms., 100 lbs. or more. lb. 2.50 - —
Hydrobromide, bots.....lb. 5.91 -5.92
Calabar beans, bgs., futures..lb. .65 - .66
Calamus root, natural, dom., bls. lb. .40 - .45
imported, bleached, bls..lb. .70 - .80
100 lbs 3.00 - 4.00
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works..gram. 4.00 - —
1,000 to 10,000 s.u., works. gram. 4.40 - —
less than 1,000 s.u., works. gram. 4.80 - —
Inedible oil, dms., 10,000 or more, s.u., works...unit. .10 - —
1,000 to 10,000 s.u., works. unit. .11 - —
less than 1,000 s.u., works. unit. .12 - —
Calcium acetate, bgs., dlvd...
Arsenate, dealers, dms., c.l., whse., wks., frt. alld.lb. .09½- —
l.c.l., 96 lbs. or more....lb. .10½- .11½
Bromide, N.F., jars.....lb. .70 - —
Carbide, dms., c.l., works, dlvd. ton.50.00 - —
.....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.21.50 -38.00
l.c.l., dlvd.....ton.31.50 -48.00
liquor, basis 40%, tanks, wks. ton. 8.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.21.00 -37.50
l.c.l., dlvd.....ton.31.00 -34.15

Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap bgs., $2.50 per ton higher; dms., $3.50 per ton higher.

Cyanide, dms., delivered E. of Rockies..lb. .25 - .40
Gluconate, USP, bbls.....lb. .58 - .65
cns. .....lb. .76 - .83
Calcium, gluconate, AA grade, 7c. per lb. higher.
Hydride, dms., works.....lb. .90 - —
Glycerophosphate, N.F., fib. dms..lb. 1.90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies..dm.24.00 -28.50
cans, 45-lb. cases, same basis. cs.19.75 -21.50
Iodide, jars.....lb. 4.12 - —
Lactate, USP, powd., dms..lb. .40 - .50
Laurate, bbls. .....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 5% Ca, 50-gal. dms..lb. .27 - —
Pantothenate, dex., jars...kilo.75.00 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .06 - .10
medicinal, dibasic, bgs.100 lbs.11.40 -19.00
monobasic, cryst., bgs., c.l., works, frt., equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Playtate, bgs., works.....lb. .16 - .17
Resinate, precip., 5.8% Ca, 100-lb. dms..lb. .20 - —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctns., 2,000 lbs. to c.l., works..lb. .52 - —
l.c.l., works.....lbs. .53 - —
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.25 - —
Sulphocarbolate, bbls., dms..lb. .49 - .54
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.06 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 1.05 - 1.10
Calomel, USP, dms.....lb. 2.10 - 2.11
fine powd., dms.....lb. 2.25 - 2.26
Camphor, monobromated, dms.lb 3.20 - —
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works..lb. .48 - —
10 bbls. (1,500 lbs.)....lb. .50½- —
5 to 9 bbls.....lb. .51 - —
1 to 4 bbls.....lb. .53 - —
smaller lots.....lb. .54 - .61
USP, gran., powd., bbls., 2,000-lb. lots..lb. .75 - —
1,000-lb. to 2,000-lb. lots.lb. .76 - —
smaller lots.....lb. .77 - —
tablets, 2,000-lb. lots.....lb. .89 - —
1,000-lb. to 2,000-lb. lots.lb. .90 - —
smaller lots.....lb. .91 - —
Canada balsam (see Fir balsam).
Cantharides, Russian, bgs....lb. 7.00 - 7.25
powdered, bxs.....lb. 7.25 - 7.50
Chinese, cs. .....lb. 4.00 - 4.25
powd., bxs. .....lb. 4.25 - 4.50

PANTOTHENIC ACID MAKES A DIFFERENCE



Pantothenic Acid deficient chick and normal chick, both 33 days old. The only difference in their rations was omission of pantothenic acid from the ration of the smaller chick.

Yes . . . pantothenic acid makes a difference in experimental animals . . . a difference indicating that this B-Vitamin is fundamental to life itself.

How about the pantothenic acid content of your multi-vitamin formula? Is it distinctive, superior, "different"? Does it contain 5 or 10 times as much "Capa" as thiamin? Tests prove that experimental animals need 5 to 10 times more pantothenic acid than thiamin . . . and the trend is toward higher levels of pantothenic acid in multi-vitamin and B-Complex formulas for human consumption. Perhaps a moderate increase in the "Capa" content of your formula would make a difference in its effectiveness for the physician, the patient, and you.

A Nopco representative will be glad to discuss the facts about pantothenic acid with you at any time. To prompt a discussion, simply write to Nopco Chemical Company, 10 First Street, Harrison, N. J.

NOPCO OFFERS

dl-Calcium Pantothenate-Nopco

...a white, odorless powder, guaranteed 49% active, priced to permit a 20% saving in cost.

ALSO AVAILABLE

- Calcium Pantothenate Dextrorotatory-Nopco...the pure, white, odorless, 100% active crystalline salt.
- Beta-Alanine . . . important ingredient in pantothenate production.

NOPCO CHEMICAL COMPANY

FINE CHEMICALS DIVISION
HARRISON, N. J.

FORMERLY NATIONAL OIL PRODUCTS COMPANY

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Pioneer producers of calcium pantothenate, Natural A and D Concentrates, and Vitab Rice Bran Concentrate . . . a naturally rich source of pantothenic acid.

NOPCO "EVOLVED THRU RESEARCH"

Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. 1.25 - —
Caraway seed, Danish, bgs....lb. .25 - .25½
Dutch, bags.....lb. .25½ - .26
futures, bgs.....lb. .26 - .26½
Syrian, natural, bgs.....lb. .19 - .29
Carbazole, 97%, dms., ton lots, works..lb. 1.10 - —
smaller lots, works.....lb. 1.20 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .42 - —
secondary, dms., l.c.l., works, lb. .70 - —
Isobutyl, dms., c.l., works..lb. .51 - —
l.c.l., works.....lb. .52 - —
tanks, works.....lb. .50 - —
Methylisobutyl, dms., c.l., nearest delivery point, buyer's works..lb. .14½- —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .12 - —
Carbon bisulphide, 50-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, c.p., dms., c.l., lb. .09 - —
l.c.l. .....lb. .09½- —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..lb. .06½- —
Zone 2, 52½-gal. dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..lb. .07½- —
l.c.l. frt. alld.....lb. .08 - —
Zone 4, 52½-gal. dms., c.l., lb. .07 - —
l.c.l., frt. alld.....lb. .07½- —
l.c.l., same basis.....lb. .05¾- —
l.c.l., frt. alld.....lb. .07½- —
USP, cbys. .....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs. lb. 1.50 - 1.55
medium, cs. .....lb. 1.40 - 1.45
decorticated, Guatemalan, cs.lb. 1.18 - 1.20
India, cs.....lb. 1.20 - 1.25
green, Alleppey, bgs.....lb. 1.05 - 1.10
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%, beta, 90%), amps., 100 grams, dlvd., gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works, lb.37.50 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.68 - —
3,000 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works, 1,000,000 units. .60 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.14.25 -16.00
Cascara sagrada bark, bulk..lb .40 - .43
Case - hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs., dms., l.c.l.....lb. .08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. .24½- .25
rennet-precip., 10,000 lbs. or more, same basis..lb. .30 - —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .28 - —
rennet - precip., unground, 100 bgs., or more..lb. No prices
smaller lots .....lb. .32 - —
Cassia, Batavia, No. 1, Thinquill, bls..lb. .60 Nom.
Pedang, No. 1, bls.....lb. .30 - .31
shortstick, bls. .....lb. .50 Nom.
broken, bls. .....lb. .24 - .25
China buds, bgs.....lb. .22 - .22½
rolls, selected, cs.....lb. .09½- .10
extra select, broken, bls..lb. .07½- .08
Kwangsi, broken, bls.....lb. .15½- .16
Saigon, all medium.....lb. .23 - .24
4-10-4, bls. .....lb. .23 - .24
broken, bls. .....lb. .19 - .19½
Yunnan, bls. .....lb. .14 - .14½
Cassia fistula, bskts.....lb. .26 - .28
Castor beans, new crop, June-July, bgs., Brazilian ports, long ton.170.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works..ton.37.50 - —
Castoreum, nat., cns.....lb.39.00 - —
synthetic, cns. .....lb. No prices
Catechol, CP, cryst., works, fib. dms..lb. 2.00 - —
resublimed, works, dms....lb. 3.25 - —
Catnep, bls. .....lb. .35 - .40
Celery seed, French, bgs.....lb. .20 - .21
Indian, bgs. .....lb. .17½- .19
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .36 - —
granules, ctns., same basis.lb. .42 - —
Acetate-butyrate, flake, high (36.5%) butyrl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .51 - —
1,000-4,900 lbs., frt. alld. lb. .52 - —
50-lb. ctns., 100-900 lbs., frt. alld..lb. .53 - —
smaller pkgs., works.lb. .54 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .49 - —
1,000-4,900 lbs., frt. alld. lb. .50 - —
100-900 lbs., frt. alld.lb. .51 - —
smaller pkgs., works.lb. .52 - —
Granules are 6c. per lb. higher, all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —
Cerium hydrate, dms., works..lb. 1.00 - —
Oxalate, NF, bbls., kgs., works, lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works..lb. 2.25 - —
kgs., 100-lb. lots, works..lb. 1.75 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, /bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works, ton.32.50 -40.00
rubbermakers, bgs., c.l., works, ton.30.00 - —

Chamomile, Hungarian, cs., futures..lb. .65 - .70
Roman, bls., futures.....lb. 1.45 - 1.50
Charcoal, hardwood, lump, bulk, c.l., works..ton.39.50 -43.50
bur. bgs., extra, returnable, c.l., works..ton.42.50 -45.50
briquets, bulk, c.l., works..ton.49.50 - —
bgs., c.l., works.....ton.54.50 -55.50
granular, bgs., incl., c.l., wks, ton.50.50 - —
screenings, bgs., works...ton.33.50 - —
Pinewood, lump, bgs., c.l., works, South..ton.35.00 - —
granular, powd., bgs., c.l., works, South..ton.40.00 - —
l.c.l., works.....ton.50.00 -60.00
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works.....lb. .0435- —
l.c.l., works.....lb. .0460- —
tanks, works.....lb. .0375- —
powdered, 65% tannin, bags, extra, c.l., works.....lb. .1040- —
l.c.l., works.....lb. .1115- —
China clay, dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works..ton.12.00 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 9.00 - —
200 mesh, bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.31.25 - —
powd., cks., l.c.l., ex wrhse, ton.71.75 - —
Chloral, dms., works.....lb. .45 - .50
Hydrate, jars.....lb. .93 - .98

Chlorinated rubber, standard, ctns., 100 lbs. up, works.lb. .40 - —
smaller lots, works.....lb. .43 - —
1-lb. bots, ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l., del. lb. .06¾- —
contracts, del. .....lb. .06¾- —
l.c.l., del. .....lb. .09 - .10½
tanks, single units, works, frt. equald..100 lbs. 2.00 - —
multiple units, 3 cars or more, works, frt. equald. 100 lbs. 2.30 - —
2 cars, works, frt. equald. 100 lbs. 2.90 - —
1 car, works, frt. equald. 100 lbs. 3.50 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls. lb. .80 - —
100-lb. cyls., same basis.lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms., works, lb. 3.00 - 3.10
feed grade, fib. dms., works, lb. 2.00 - —
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10
Chrome acetate, powd., 72% Cr., bbls., works..lb. No stocks.
solut., 7½%, bbls., cs.....lb. .09¼- —
8½%, bbls., cs.....lb. .09¾- —
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 8.00
Cinchona bark, red, quill, USP, 10-in., can..lb. 1.26 Nom.
Cinchonidine, small, cryst., cns., 100 ozs..oz. 1.02¼- —

Cinchonine, large cryst., cns., 100 ozs..oz. .79½- —
small cryst., cns., 100 ozs..oz. .75½- —
sulphate, NF, cns., 100 ozs..oz. .55½- —
Cinchopen, NF, heavy, dms., works..lb. 4.20 - 4.30
standard, dms., works....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms..lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls., futures..lb. .49 - .50
Citral, bots., cns.....lb. 5.15 - 7.70
Citronellal, bots., dms.....lb. No prices.
Citronellol, bots., dms.....lb. 8.85 -10.40
Clove, Madagascar, bls.....lb. .12 - .12½
futures, bls.....lb. .12 - .12½
Zanzibar, bls.....lb. .16 - .16½
Clover tops, red, dom., bgs....lb. .60 - .70
imported, bgs. .....lb. No stocks.
Coaltar, coal-gas, crude, 50 gal., dms., c.l., works..dm. 9.50 - —
l.c.l., works .....dm.10.00 - —
tanks, works .....gal. .09 - —
refd., 50-gal. bbls., c.l., works, bbl.10.00 - —
l.c.l., works .....bbl.10.50 - —
tanks, works .....gal. .10 - —
water-gas, crude, 55-gal. dms., c.l., works..dm. 9.50 - —
l.c.l., works .....dm.10.00 - —
tanks, works .....gal. .09 - —
refd., 55-gal. dms., c.l., works, dm.10.00 - —
l.c.l., works.....dms.10.50 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .83¾- —
Carbonate, powd., bgs., works, lb. 1.58 - —
feed grade, 49½% Co, kgs.lb. 1.58 - —
Chloride, kgs., works.....lb. .67½- —
feed grade, 24.5% Co, kgs.lb. 1.25 - —
Hydrate, bbls. .....lb. 2.04 - —
feed grade, 62% Co, kgs...lb. 2.04 - —

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BLEACHING POWDER
35-37% AND 70%

CAUSTIC SODA
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CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Cobalt, linoleate, paste, 6%, dms. lb. .60 - —
solid, 8½%, dms. lb. .68½ - —
Naphthalene, solid, 6% Co, dms. lb. .35½ - —
Nitrate, feed grade, 20.4% Co, bbls. lb. .75¾ - —
Oleate, bbls. lb. .44 Nom.
Oxide, black, kgs. lb. 1.16 - —
Phosphate, feed grade, 34% Co, kgs. lb. 1.26¼ - —
Resinate, precip., 7.5% Co, 100-lb. dms. lb. .33½ - —
Soyate, 3%-3.5% Co, 50-gal. dms. lb. .42 - .44
Sulphate, dms. lb. .65 - —
feed grade, 21% Co, kgs. lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs. lb. .75 - —
Cocaine hydrochloride, 100-oz. lots. cns. oz. 9.75 - —
Cochineal, gray, bgs. lb. .67 - .68
silver, Teneriffe, bgs. lb. .69 - .70
Cocoa butter, bulk. lb. .57 - .58
Cocillana bark, bgs. lb. .50 - .51
Codeine, cns., 100ozs. oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.50 - —
Phosphate, cns., 100 ozs. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —
Cod liver oil (see Oil, cod liver).
Cohosh root, black, bls. lb. .24 - .25
blue, bls. lb. .24 - .25
Colchinine, bots., cns. oz. No stocks.
Colchicum seed lb. 6.00 Nom.
Collodion, USP, dms. lb. .24 - .29
Flexible, USP, dms. lb. .25½ - .30½
Colocynth pulp, bls. lb. .50 - .52
Colombo root, bls. lb. .15 - .16
Coltsfoot leaves, bgs. lb. .43 - .44
Condurango bark, bgs., futures, lb. .25 - .26
Copaiba balsam, Para, cns. lb. No stocks.
S. A., USP, cns. lb. .85 - .90
Copper acetate, cupric, bbls., works. lb. .28 - —
smaller containers, wks. lb. .29 - .30
Carbonate, 52-54%, bbls. lb. .24 - .26
Chloride, anhyd., bbls. lb. .36½ - —
crystals, bbls. lb. .17¾ - —
Cyanide, tech., bbls. lb. .40½ - —
Hydrate, dms., del. E. Miss. lb. .26¼ - .28¾
Metal, electrolytic flb. .21½ - .24
Naphthenate, liquid, 8% Cu, dms., dlvd. lb. .21 - —
solid, 11% Cu, dms., dlvd. lb. .27½ - —
Nitrate, tech., cryst., bbls., works. lb. .25 - .28
Oleate, precip., bbls. lb. .32¼ - —
Oxide, black, bbls., works. lb. .29 - .30
red, com'l, bbls., works. lb. .30 - .33
Oxychloride-sulphate, bgs. lb. .24 - —
Resinate, precip., 8.5% Cu, 125-lb. dms. lb. .21½ - —
Stearate, bgs., works. lb. .35½ - —
Sulphate cryst., 99%, bgs., c.l., works. 100 lbs. 7.60 - —
l.c.l., 100 to 36,000 lbs. 100 lbs. 7.85 - 8.00
monohydrated, 35%, dms., c.l., dlvd. 100 lbs. 12.55 - 12.80
l.c.l., dlvd. 100 lbs. 13.55 - —
tribasic, dealers, bgs., works, c.l. lb. .21½ - .22½
l.c.l., same basis. lb. .23 - .23½
Copperas, cryst., gran., bgs., c.l., works. ton. 17.00 - —
l.c.l., works. 100 lbs. 1.55 - 2.00
bbls., c.l., works. ton. 20.00 - —
bulk, c.l., works. ton. 14.00 - —
Copra, c.i.f., Pacific ports. ton. 178.50 - —
c.i.f., Atlantic or Gulf ports. ton. 184.50 - —
Coriander seed, Argentine, bgs., lb. .05 - .05½
Indian, bgs. lb. No stocks
Italian, bgs. lb. .06¾ - .06¾
Morocco, bgs. lb. No stocks
Peruvian, bgs. lb. .06½ - .07
Corn silk, bls. lb. .38 - .40
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 5.70 - —
bbls., c.l., same basis. 100 lbs. 5.83 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.15 - —
l.c.l. 100 lbs. 6.30 - —
Corrosive sublimate, USP, cryst., dms., 50 lbs. or more. lb. 1.93 - —
gran., powd., dms., 50 lbs. or more. lb. 1.78 - —
Cottonroot bark, bls. lb. .40 - .45
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd. unit-ton. No prices
Meal, 41% protein sacked, mills, southeast, c.l. ton. 65.00 - 66.00
Coumarin, cns., 25 lbs. or more. lb. 2.75 - 3.25
smaller lots. lb. 2.90 - 3.30
Cramp bark, NF, bls. lb. .75 - .80
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs., one ship't. lb. .41¼ - —
smaller lots, bbls., kgs. lb. .42 - .42¼
Creosote carbonate, bots., cbys. lb. 2.30 - 2.40
Coaltar (see Cresol).
Oil, coaltar, crude, tanks, works. gal. .17½ - —
refined, dms., c.l., works. gal. .30 - .34½
l.c.l., same basis. gal. .33 - .35
tanks, same basis. gal. .21 - .23
solution, 80-20, tanks, works. gal. .16 - —
Wood beech, bots., cbys. lb. 1.05 - 1.10
Hardwood, NF, bots., cbys. lb. .80 - .85
Pine, dms. gal. .31 - .32
Cresol, special resin grades, dms., c.l., works, frt. equald. lb. .12¼ - .13¼
l.c.l. same basis. lb. .13 - .13¾
tanks, same basis. lb. .11¾ - .12¾
USP, dms., c.l., same basis. lb. .13¾ - —
l.c.l., same basis. lb. .14¼ - —
tanks, same basis. lb. .13 - —
Crotonaldenyde, 91-93%, 55 and 110 gal. dms., l.c.l., works. lb. .17 - —
5 and 10-gal. dms., l.c.l., works. lb. .20½ - —
Cryolite, nat., dealers, bgs., bbls., c.l., works. 100 lbs. .12¾ - —
bbls., l.c.l., works. 100 lbs. .14 - —
synth., bgs., bbls., c.l., frt. alld. E. of Miss. R. lb. - - —
l.c.l., works. lb. - - —
Cube root, 5% rotenone wks. works. lb. .60 - .66
4% rotenone, bbls., works. lb. .48 - .53
Cubeb berries, XX, bgs. lb. .75 - .80
powd., cs. lb. 1.00 - 1.05
Culvers root, bls. lb. .38 - .39
Cumin seed, Cyprus, bgs. lb. No stocks
Indian, bgs., futures. lb. .40 - .41
Morocco, bgs. lb. No stocks
Persian, bgs. lb. .25½ - .26
Syrian, bgs. lb. .25½ - .26
Cutch, 65% tannin, bgs., ex dock. lb. .12 - —
Cyanamide, fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.85 - —
21% N., pulv., bgs., same basis. unit-ton. 1.75 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½ - —
l.c.l., works. lb. .10 - —
tanks, works. lb. .08 - —
Cyclohexanol, dms., c.l., works. lb. .21½ - .26
l.c.l., works. lb. .22 - —
tanks, works. lb. .20 - —
Cyclohexanone, tech., dms. lb. .26½ - .30
l.c.l., works. lb. .27 - .31
tanks, works. lb. .25 - .29
Cyclopropane, USP, cyls., dlvd. gal. .27 - —

D

Damiana leaves, bls. lb. .35 - .40
Dandelion root, bls. lb. .70 - .75
DDT, fiber, dms., c.l., works. lb. .42¼ - —
ton lots, works. lb. .45 - —
tins, smaller lots, works. lb. .48 - .50
Decanol, normal, tech., dms., dlvd. lb. .35 - —
Deertongue, bls. lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bag., Columbus, Ga. ton. 39.25 - —
Texarkana, Ark. ton. 41.00 - —
Tupelo, Wis. ton. 39.25 - —
Wales, Tenn. ton. 39.25 - —
phosphate rock, paper bgs., works. ton. 34.25 - —
Degras, common, bbls. lb. .10 - .12
neutral, less 2%, ffa. bbls. lb. .22 - .23
over 2% ffa, bbls. lb. .21 - .22
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.15 - —
Chicago, bgs., c.l. 100 lbs. 6.55 - —
Corn, canary, bgs., c.l. 100 lbs. 6.74 - —
l.c.l. 100 lbs. 6.89 - —
Chicago, bgs., c.l. 100 lbs. 6.29 - —
dark, bgs., c.l. 100 lbs. 6.84 - —
l.c.l. 100 lbs. 6.99 - —
Chicago, bgs., c.l. 100 lbs. 6.39 - —
white, bgs., c.l. 100 lbs. 6.39 - —
l.c.l. 100 lbs. 6.74 - —
Chicago, bgs., c.l. 100 lbs. 6.14 - —
Above prices are for dextrin in paper bgs.; cotton bgs., 20c. higher.
Potato, dom., bgs. lb. .13 - .13¼
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots. lb. 5.20 - 6.00
laboratory grade, bots. 100 grams. 4.50 - —
tech., bots., works. lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate, dms., tanks. lb. No prices
Diamylamine, dms., c.l., works, lb. 1.47 - —
l.c.l., works. lb. 1.50 - —
Dianisidine, dms. lb. 1.28 - —
Diatomaceous earth, dom., CP. bgs., c.l., Atlantic Coast. lb. .07 - —
l.c.l., ex whse. lb. .10 - .16
nat., bgs., c.l., Pacific coast. ton. 22.00 - 25.00
l.c.l., ex whse. ton. 45.00 - —
purified, bgs., c.l., Atlantic coast. ton. 55.00 - 59.00
l.c.l., ex whse. ton. 85.00 - 90.00
Algerian, bgs., c.l., Atlantic coast. ton. No prices
Mexican, white, bgs., c.l., Atlantic coast. lb. .03 - —
l.c.l. lb. .06 - —
Dibutyl phthalate, dms., c.l., same basis. lb. .30¼ - .33½
l.c.l., same basis. lb. .31 - .34½
tanks, same basis. lb. .29 - .32
Sebacate, dms., c.l., works. lb. No prices
l.c.l., works. lb. No prices
tanks, works. lb. No prices
Tartrate, dms., wks., frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works, lb. .76 - —
l.c.l. works. lb. .79 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether, purified, dms., c.l., works, frt. equald with So. Charleston. lb. .13½ - —
l.c.l., same basis. lb. .14 - —
tanks, same basis. lb. .12½ - —
Diethanolamine, dms., c.l., frt. alld in E. lb. .23½ - —
l.c.l., same basis. lb. .24½ - —
tanks, same basis. lb. .22½ - —
Diethyl carbonate, dms., l.c.l. lb. .40 - —
Oxalate, dms., c.l. lb. .35½ - —
l.c.l. lb. .36½ - —
tanks lb. .34 - —
Phthalate, dms., c.l., dlvd. lb. .29¼ - —
dms., l.c.l., dlvd. lb. .30 - —
tanks, dlvd. lb. .28 - —
Sulphate, dms., c.l., works. lb. .14 - —
l.c.l., works. lb. .15 - —
tanks, works. lb. .13 - —
Diethylamine, dms., c.l., works, lb. .69 - —
l.c.l., works. lb. .71 - —
tanks, works. lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R. lb. .75 - —
Diethylaniline, dms. lb. .48 - —
Diethyleneglycol, dms., c.l. frt. alld. in E. lb. .14 - —
l.c.l., same basis. lb. .15 - —
tanks, same basis. lb. .13 - —
Monobutylether, dms., c.l., wks. lb .22 - —
l.c.l., works lb. .23 - —
tanks, works. lb. .21 - —
Monoethylether, dms., c.l., wks. lb .15½ - —
l.c.l., works. lb. .16½ - —
tanks, works. lb. .14½ - —
Diethylstilbestrol, bots. kilo. 270.00 - 280.00
Digitalin, cryst., bots. gram. 29.00 - 30.00
powd., bots. gram. 1.25 - 1.75
Digitalis leaves, dms. lb. 1.05 - 1.15
Diglycol laurate, dms. lb. .31 - .32
Oleate, light, bbls., c.l. lb. .17 - —
Stearate, bbls., c.l. lb. .23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y.met. lb .95 - 1.00
smaller containers, same basis. lb 1.05 - 1.40
Di-isobutyl ketone, dms., works. lb. .19 - —
Di-isobutylene, dms., c.l., works. lb. .07 - —
l.c.l., works. lb. .07½ - —
tanks, works. lb. .05½ - —
Dillseed, decorticated, bgs. lb. .12 - .12½
dewhiskered, bgs. lb. .10 - .10½
Dimethyl phthalate, dms., c.l., dlvd. lb. .22¼ - —
l.c.l., dlvd. lb. .23 - —
tanks, dlvd. lb. .21 - —
Dimethylamine, anhyd., cyl., frt. alld. E. of Miss., 100% basis, lb. .40 - —
solution, dms., works, frt. alld. E. of Miss., 100% basis. lb. .37 - .47¼
tanks, same basis. lb. .36 - —
Dimethylaniline, dms., c.l. lb. .21 - .24¼
l.c.l. lb. .22 - —
Dinitrobenzene, bbls. lb. .16 - —
Dinitrochlorobenzene, dms. lb. .14 - .15½
Dinitronaphthalene, kgs. lb. .35 - .38
Dinitrophenol, bbls. lb. .22 - —
Dinitrotoluene, rfd., dms. lb. .18 - —
oily, dms. lb. .07 - .07¾
Diorthotolylguanidin, dms., ten lots, dlvd. lb. .44 - —
smaller lots, dlvd. lb. .46 - .47
Dioxan, dms., c.l., frt. alld. lb. .20 - —
l.c.l., same basis. lb. .21 - —
tanks, same basis. lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., extra, wks., South, c.l., gal. .66 - —
tanks, wks., South. gal. .60 - —
steam-dist., dms. gal. .80 - —
tanks, dlvd. E. gal. .77 - —
Diphenyl, bbls., c.l., works. lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns. lb. .50 - .61
dms. lb. .45 - .56
Diphenylamine, bbls. lb. .25 - —
Diphenylguanidin, dms., tens. lb. .35 - —
smaller lots lb. .36 - .37
Divi-divi, 36% tannin, c.l., U.S. ports, ex dock. ton. 58.00 - 60.00
Doggrass root, dom., cut, bls. lb. .27 - .28
imp., N.F., cut, bls. lb. .41 - .42
Dogwood, Jamaica, bark, bls. lb. .12 - .14
Dover's powder, USP, cns. lb. No stocks.
Dragon's blood, drops, cs. lb. .45 - .47
reeds, cs. lb. No stocks.
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots):—
Blue, FD&C, No. 1, cns. lb. 13.00 - —
Green, FD&C, No. 1, cns. lb. 13.00 - —
No. 2, cns. lb. 17.00 - —
No. 3, cns. lb. 27.00 - —
Orange, FD&C, No. 1, cns. lb. 2.80 - —
No. 2, cns. lb. 3.55 - —
Red, FD&C, No. 1, cns. lb. 5.75 - —
No. 2, cns. lb. 3.05 - —
No. 3, cns. lb. 17.00 - —
No. 4, cns. lb. 5.50 - —
No. 32, cns. lb. 4.05 - —
Yellow, FD&C, No. 1, cns. lb. 8.00 - —
No. 3, cns. lb. 2.55 - —
No. 4, cns. lb. 2.55 - —
No. 5, cns. lb. 3.05 - —
No. 6, cns. lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots:—
Black, D&C, No. 1, cns. lb. 8.35 - —
Blue, D&C, No. 4, cns. lb. 12.35 - —
Brown, D&C, No. 1, cns. lb. 12.35 - —
Green, D&C, No. 5, cns. lb. 12.35 - —
No. 6, cns. lb. 12.35 - —
Orange, D&C, No. 3, cns. lb. 8.35 - —
No. 4, cns. lb. 15.35 - —
No. 10, cns. lb. 15.85 - —
Red, D&C, No. 8, cns. lb. 2.85 - —
No. 17, cns. lb. 8.35 - —
No. 18, cns. lb. 15.35 - —
Yellow, D&C, No. 7, cns. lb. 8.35 - —
8, cns. lb. 8.35 - —
No. 11, cns. lb. 10.35 - —
No. 19, cns. lb. 15.35 - —
No. 22, cns. lb. 8.35 - —
No. 33, cns. lb. 13.35 - —
No. 37, cns. lb. 12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns. lb. 12.35 - —
Green, Ext., D&C, No. 1, cns. lb. 12.35 - —
Red, Ext., D&C, No. 1, cns. lb. 10.35 - —
No. 3, cns. lb. 21.85 - —
No. 8, cns. lb. 7.85 - —
No. 10, cns. lb. 12.35 - —
No. 13, cns. lb. 12.35 - —
Yellow, Ext., D&C, No. 1, cns. lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of the Colour Index scale).
8: Chrome yellow, 2G. lb. .65 - .70
40 Chrome yellow R. lb. .50 - 1.00
53 Victoria violet. lb. .80 - 1.00
165 Lake red C. lb. .70 - .80
170 Fast red A. lb. .56 - .60
180 Fast red VR. lb. 1.50 - 1.60
189 Lake red R, paste. lb. .85 - .90
189 Lake red R, powd. lb. 3.00 - 3.10
202 Chrome blue black U. lb. .35 - .42
204 Chrome black A. lb. .42 - .45
208 Fast red blue R. lb. .75 - 2.00
216 Chrome red B. lb. 1.75 - 2.00
262 Cloth red 2B. lb. .60 - .80
280 Fast cyanin 5R. lb. .90 - 1.00
299 Chrome black F. lb. .85 - .88
304 Paper yellow. lb. .88 - .90
307 Fast cyanin black B. lb. .80 - .85
326 Direct fast scarlet. lb. 2.00 - 2.25
365 Chyrophenin G. lb. .58 - .70
382 Direct scarlet B. lb. 1.15 - 1.20
387 Direct violet B. lb. 1.00 - 1.30
394 Direct violet N. lb. .80 - .95
401 Developed black BHN. lb. .45 - .60
403 Direct blue 2B. lb. .66 - .70
415 Direct orange B. lb. .60 - .70
419 Direct fast red F. lb. .70 - .73
420 Direct brown M. lb. .55 - .57
448 Benzo purpurin 4B. lb. .65 - .68
465 Benzo purpurin 10B. lb. .40 - .50
502 Direct azorin G. lb. .75 - .80
512 Direct blue RD. lb. .80 - 1.00
518 Direct pure blue 6B. lb. 1.20 - 1.30
520 Direct pure blue. lb. .50 - 1.00
529 Direct fast black FF. lb. .55 - 1.00
581 Direct black EW. lb. .50 - .54
582 Direct black RX. lb. .35 - .45
592 Direct green B. lb. .50 - .55
594 Direct green G. lb. .50 - .55
596 Direct brown 3GO. lb. .85 - 1.00
620 Direct yellow R. lb. 1.25 - 1.50
688 Acid violet. lb. 1.00 - 3.00
812 Primulin lb. .70 - .73
814 Direct fast yellow. lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20%, paste. lb. .15 - .18
Benzo fast black L. lb. .90 - 1.00
Sulphur black. lb. .20 - .25
Sulphur blue. lb. .45 - 1.00
Sulphur brown. lb. .25 - .50
Sulphur maroon. lb. .40 - —
Sulphur tan. lb. .30 - .50
Sulphur olive. lb. .25 - .54
Sulphur yellow. lb. .30 - .50
Zambesi black. lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives. lb. .36 - .44
Blue—
7075 Alizarin astral base. lb. 15.00 - —
1073 Alizarin cyanin, green base. lb 6.00 - —
Brown—
Brown, oil soluble. lb. 1.15 - —
Green—
1078 Alizarin cyanin green base. lb 5.00 - —
Orange—
24 Sudan I. lb. .75 - —
Red shade. lb. .75 - —
Red—
75 Sudan II. lb. 1.05 - —
288 Sudan IV. lb. .85 - —
680 Oil violet. lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base. lb. 6.00 - —
Yellow—
16 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow, OB. lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25-lb. lots and up 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S. lb. .50 - —
720 Victoria blue B. lb. 1.85 - —
861 Indulin lb. .87 - —
878 Methylene gray. lb. 1.50 - —
909 New blue P. lb. 1.20 - —
922 Methylene blue. lb. 1.00 - —
1054 Alizarin aphirol B. lb. 1.90 - —
1130 Indigotin IA. lb. .85 - —
Blue—
714 Patent blue A. lb. 1.05 - 1.10
Brown—
231 Bismarck brown G. lb. .47 - .62
234 Resorcin brown Y. lb. .65 - —
235 Resorcin dark brown R. lb. .65 - —
632 Bismarck brown R. lb. .47 - .62
793 Phosphin lb. 4.65 - —
Green—
5 Naphthol green B. lb. 1.00 - —
657 Malachite green. lb. 1.35 - —
662 Brilliant green. lb. 2.00 - —
666 Guinea green B. lb. 1.15 - —
737 Wool green S. lb. .58 - —
924 Methylene green B. lb. 1.55 - —
1078 Alizarin cryanin green. lb. 2.00 - —
Orange—
10 Chrysodin G. lb. .44 - —
21 Chrysodin R. lb. .41 - —
27 Orange G. lb. .50 - —
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
151 Orange Y. lb. .31 - .32
161 Orange R. lb. .34 - —
Red—
79 Ponceau R. lb. .48 - —
88 Fast red B. lb. 1.65 - —
176 Fast red A. lb. .54 - —
179 Azorubin lb. .60 - —
183 Crocein scarlet 3BX. lb. .72 - .75
185 Cochineal red A. lb. .60 - —
252 Brilliant crocein M. lb. .68 - —
677 Fuchsin lb. 2.10 - —
749 Rhodamine B. lb. 3.50 - —
752 Rhodamine 6B. lb. 4.50 - —
768 Eosin G. lb. 1.50 - —
841 Safranin lb. 1.45 - —
Violet—
680 Methyl violet B. lb. .70 - .75
681 Crystal violet B. lb. 1.75 - —
695 Acid violet 4BN. lb. .88 - —
Yellow—
10 Naphthol yellow S. lb. .83 - —
138 Metanil yellow. lb. .56 - .58
636 Fast light yellow. lb. 1.25 - —
639 Xylene light yellow. lb. 1.15 - —
640 Tartrazin lb. .80 - —
655 Auramine lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin lb. .36 - .44
Blue—
860 Indulin lb. .68 - .70
Brown—
331 Bismarck brown lb. 1.50 - —
Green—
637 Malachite, green base— lb. 2.00 - —
Orange—
20 Chrysoidin G. lb. .95 - —
Red—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine R. lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine lb. 2.00 - —
800 Chinolin yellow SS. lb. 2.00 - —
Violet—
680 Methyl violet base. lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls. lb. .70 - .75
Egg, albumen (see Albumen).
Yolk, dried, dom., bbls. lb. 1.25 - 1.30
imported lb. No stocks
Elder flowers, bright, bls. lb. .73 - .74
Elecampane root, bls. lb. .40 - .41
Elm bark, grinding, bls. lb. .35 - .36
powd., bbls., bxs. lb. .45 - .50
select, bndls. lb. .55 - .56
Emetine hydrochloride, bots. oz. 53.50 -54.00
Ephedra, bls. lb. .20 - .21
Ephedrine, synthetic, USP anhydrous, bots, 100-oz. lots. oz. .84 - —
hydrous, bots., 100-oz. bots. oz. .76 - —
Ephedrine hydrochloride, tin, 100 ozs. oz. .60 - —
Sulphate, cryst., tins, 100 ozs. oz. .57 - —
powd., tins, 100-oz. lots. oz. .58 - —
Epichlorohydrin, dms., c.l., works. lb. .46 - —
l.c.l., works lb. .46½ - —
tanks, works lb. .44½ - —
Epinephrine, synth., USP, bots., gram. .70 - .95
Epsom salt, tech., cryst., bgs., c.l. 100 lbs. 2.05 - —
l.c.l. 100 lbs. 2.40 - 2.65
USP, cryst., bgs., c.l. 100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.50 - —
smaller lots. 100 lbs. 2.75 - —
bbls., c.l. 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.60 - —
smaller lots 100 lbs. 2.85 - —
kgs., c.l. 100 lbs. 2.60 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.85 - —
smaller lots 100 lbs. 3.10 - —
Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland.
Ergot, USP, cns. lb. 1.25 - 1.30
Eserine, bots. oz. No prices.
Sulphate, bots. oz. 65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd. lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots., 100-lbs. lb. .98 - 1.10
Sulphuric, cons., dms. lb. .11 - .16
USP, anesthesia, hospital, 1-lb. cns. lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .20½ - —
l.c.l., frt. alld. lb. .21½ - —
tanks, frt. alld. lb. .19 - —
95-98%, dms., c.l., frt. alld. lb. .23 - —
l.c.l., frt. alld. lb. .24 - —
tanks, frt. alld. lb. .21½ - —
99%, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld. lb. .22 - —
tanks, frt. alld. lb. .19½ - —
USP, dms. lb. .27 - —

Ethyl acetate, synthetic, 85-90%, dms., c.l., frt. alld..lb. 10½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, frt. alld.....lb. .09½- —
95-98%, dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
Acetoacetate, dms., c.l., works, lb. .50½- —
l.c.l., frt. alld.....lb. .51½- —
Benzoate, bots. .....lb. .50 - .52
B-ethoxy proprionate, dms., works..lb. .70 - —
Bromide, tech., 98%+, dms..lb. .36 - .40
Carbamate, dms., divd. E...lb. .58 - —
Chloride, tech., tanks.....lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 2.35 - 3.25
Formate, dms., Agnue, Calif.lb. .26 - .32
Iodide, bots .....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .38½- —
Myristate, dms., works.....lb. No prices.
Oenanthate, dms.....lb. 2.60 - 3.25
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld....lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs., or more, works..lb. .57 - —
smaller lots, works.....lb. .59 - .67
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .08 - —
West of Rockies.....lb. .08½- —
l.c.l., works, frt. alld. E. of Rockies..lb. .09 - —
West of Rockies.....lb. .09½- —
tanks, frt. alld. E. Rockies, lb. .07 - —
West of Rockies.....lb. .07½- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E..lb. .12 - —
l.c.l., same basis.....lb. .13 - —
tanks, same basis.....lb. .11 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether, acetate, dms., c.l., works..lb. .13½- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots.....lb. 6.80 - 6.90
Eucalyptol, cns., dms.....lb. 2.65 - 3.25
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, prime, USP XII.....lb. 2.40 - 3.25
Euphorbia, bls. .....lb. .19 - .20

F

Feldspar, enamel, 100 mesh, bgs. ton.17.00 -20.50
bulk, c.l.....ton.14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.12.75 -16.25
bulk, c.l.....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.20.00 -22.00
bulk, c.l., works.....ton.17.00 -19.00
Fennel seed, Argentine, bgs., futures..lb. .08 - .08½
Indian, bgs., afloat.....lb. .18 - .18½
Fenugreek, domestic, bgs.....lb. No stocks
Indian, bgs.....lb. .09 - .09½
Morocco, bgs.....lb. .11½ Nom.
futures, bgs.....lb. .10½- .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.lb. .13½- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns.....gal.23.50 -24.00
Oregon, bbls. .....gal. 2.45 - 2.55
Fishberries, bgs.....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., E. works..ton.130.00 - —
65% protein, bgs., E. works. ton.130.00 - —
Fishscrap, dried, 50% protein, bulk, East coast..ton.110.00 -120.00
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, black, bgs.....lb. .55 - .60
Blonde, bgs.....lb. .31 - .33
Fluorspar, No. 1, ground 95-98% CaF_2 bulk, c.l., mines, net ton.37.00 - —
Washed, gravel, 70% or more CaF_2, c.l., bulk, mines. ton.33.00 - —
65%, c.l., bulk, mines....ton.32.00 - —
60%, c.l., bulk, mines....ton.31.00 - —
less than 60%, c.l., bulk, mines..ton.30.00 - —
Formaldehyde, bbls., c.l., works, lb. .0645- —
l.c.l., works.....lb. .0695- —
dms., extra, c.l., works.....lb. .0545- .0580
l.c.l., works.....lb. .0595- .0630
tanks, works.....lb. .0370- .0420
tanktrucks, divd. N.Y.C...lb. .0396- —
Fringetree bark, bls.....lb. .75 - .76
Fuller's earth, dom., powd., bags., c.l., Fla., Ga. mines..ton.30.00 - —
Tex. mines.....ton.27.00 - —
spent, bulk, Bayonne...ton. 6.00 - —
imp., bgs., c.l.....ton.30.00 - 40.00
Furfural, tech., dms., c.l., works, lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, dms., c.l.....lb. .26½- —
l.c.l. .....lb. .27½- —
tanks .....lb. .25 - —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .41 - —
No. 1A, bbls., l.c.l.....lb. .40 - —
No. 2, bbls., l.c.l.....lb. .39 - —
No. 3, bbls., l.c.l.....lb. .37 - —
liquid, No. 0, bbls., l.c.l...lb. .21½- —
No. 1, bbls., l.c.l.....lb. .20 - —
No. 2, bbls., l.c.l.....lb. .19 - —
No. 3, bbls., l.c.l.....lb. .16½- —
solid, No. 1, bxs., l.c.l....lb. .27 - —

G

G salt, bbls.....lb. .50 - —
Galangal root, bls.....lb. .25 - .28
Gambier, cube, plantations, ex dock..lb. .21 - .23
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dms., c.l., works..lb. 1.35 - —

Gasoline, at refinery, ex tax Arkansas, 73-75 octane, tanks, gal. .0825- —
Bayonne, 74 octane, tanks, gal. .0780- .09
Gulf Coast, 73-75 octane, tanks..gal. .0825- .085
Group 3, 73-75 octane, tanks, gal. .0775- .0825
Pennsylvania, western, U. S., motor, 74 octane, leaded, tanks..gal. .0825- .0925
natural, 26/70 octane, Group 3, tanks..gal. .05375- —
Gelatin, silver label, ctns., divd. lb. 1.25 - —
export, cs.....lb. 1.35 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsemium root, bls..... lb. .35 - .40
Gentian root, bls.....lb. .20 - .21
grd., bbls., bxs.....lb. .26 - .27
powd., bbls., bxs.....lb. .24 - .25
Geraniol, 92-96%, cns., dms....lb. 7.75 -10.25
Geranyl acetate, cns.....lb. 6.75 - 9.25
Ginger, African, No. 1, bls...lb. .14 - .14½
Calicut, Romeo-type, bgs...lb. .16 - .16½
Cochin, bleached, bgs.....lb. .16 - .16½
unbleached, bgs. .....lb. .14 - .14½
Jamaica, No. 1, bgs.....lb. .18 - .18½
No. 2, bgs.....lb. .16 - .16½
No. 3, bgs.....lb. .15 - .15½
Rhattoon, bgs. .....lb. .14½ Nom.
Glauber's salt, anhyd. (see Soda sulphate).
cryst., bgs., works....100 lbs. 1.25 - 1.75
l.c.l., bgs., works..100 lbs. 1.65 - 2.10
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .21 - —
30/50, bgs., c.l., same basis. lb. .21 - —
Glue, bone, 58/82, bgs., c.l., same basis..lb. .17 - .22½
82/108, bgs., c.l., same basis..lb. .18½- .23½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide, 100-121 (jelly test in grams), bgs., c.l., divd..lb. .21 - —
122-149, bgs., c.l., divd....lb. .22 - —
150-177, bgs., c.l., divd....lb. .23 - —
178-203, bgs., c.l., divd....lb. .24 - —
207-236, bgs., c.l., divd....lb. .25 - —
237-266, bgs., c.l., divd....lb. .26 - —
267-298, bgs., c.l., divd....lb. .27 - —
299-330, bgs., c.l., divd....lb. .28 - —
331-362, bgs., c.l., divd....lb. .29 - —
363-394, bgs., c.l., divd....lb. .30 - —
395-427, bgs., c.l., divd....lb. .31 - —
428-460, bgs., c.l., divd....lb. .32 - —
461-494, bgs., c.l., divd....lb. .33 - —
495-529, bgs., c.l., divd....lb. .34 - —
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .33 - .34
soaplye, 80%, tanks.....lb. .30 - .35
dynamite, dms., c.l.....lb. .50½- —
l.c.l. .....lb. .50½- —
tanks .....lb. .50 - —
high gravity, dms., c.l.....lb. .50½- —
l.c.l. .....lb. .50½- —
tanks .....lb. .50 - —
refined, B.P., 98%, dms., c.l.lb. .50½- —
tanks .....lb. .50½- —
USP, 95%, dms., c.l.....lb. .50½- —
l.c.l. .....lb. .50½- —
tanks .....lb. .50 - —
yellow, distilled, dms., c.l...lb. .50 - —
tanks .....lb. .50 - —
Glycine, USP (see Acid, ammocetic).
Glycol, boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots, oz.20.00 -20.50
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo, bots, oz.13.00 -13.50
USP IX, bots.....oz.14.00 -14.50
Goldenseal root, bls.....lb. 8.50 - 8.75
powd., bxs. .....lb. 9.00 - 9.25
Gold of pleasure, seed, bgs., futures..lb. .29 - .30
Grains of paradise, bgs.....lb. .28 - .29
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis, lb. .05 - —
75-80%, same basis....lb. .05½- —
80-85%, bgs., same basis, lb. .06 - —
85-90%, bgs., same basis, lb. .07 - —
90% and up, same basis, lb. .08 - —
imported, amorphous, powd., divd..lb. .04 - .06
crystalline, 85-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis., lb. .16 - .19
97% powd., same basis..lb. .22 - .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis..lb. .21 - .23
No. 2, same basis.....lb. .22 - .24
Grease, house, loose.....lb. .11½- —
yellow, loose .....lb. .11½- —
white, choice, loose.....lb. .13 - —
Wool (see (Adeps lanae and Degras).

Let CALCO's large-capacity plants supply your Bulk Pharmaceuticals

CALCO's Bulk Pharmaceuticals

SULFADIAZINE U.S.P.
(powder or micro crystal)
. . . the Sulfa drug of choice
Sodium Sulfadiazine U.S.P.
Sulfamerazine U.S.P.
Sodium Sulfamerazine U.S.P.
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Amino Acetic Acid N. F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Neocinchophen U.S.P.
Mandelic Acid N.F.
Calcium Mandelate U.S.P.
Menadione U.S.P.
Methylene Blue U.S.P.
(powder or crystals)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Saligenin
Thiouracil
Phenothiazine N.F.
(Regular and Drench grades for Veterinary use)
Certified Colors for Pharmaceutical and Cosmetic Use

CALCO'S capacity to manufacture bulk pharmaceuticals in large quantity is one reason why you should depend upon this company as your source of supply for present and future needs.

In CALCO'S extensive plants covering nearly 550 acres and employing nearly 5,000 trained technicians and operators every step from laboratories through to finished big-scale production is rigorously checked to insure an absolute uniform standard of quality.

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★ *Precise and complete analytical control*

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Pharmaceutical Department

Calco

REG. U. S. PAT. OFF.

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey

Green, brilliant, thioflavin toner molybdic, kgs., works..lb. 4.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .31 - —
6-10%, bbls., same basis. lb. .32 - —
11-15%, bbls., same basis. lb. .33 - —
16-20%, bbls., same basis. lb. .33½- —
21-25%, bbls., same basis. lb. .34½- —
26-30%, bbls., same basis. lb. .34¾- —
31-35%, bbls., same basis. lb. .35½- —
36-40%, bbls., same basis. lb. .37½- —
41-45%, bbls., same basis. lb. .39 - —
46-50%, bbls., same basis. lb. .40¾- —
50% and over, bbls., same basis..lb. .41¾- —
reduced color, 5%, bbls., same basis..lb. .10 - —
6-10%, bbls., same basis.lb. .10¾- —
11-13%, bbls., same basis.lb. .11¼- —
14-16%, bbls., same basis.lb. .12 - —
17-19%, bbls., same basis.lb. .12¼- —
20-21%, bbls., same basis.lb. .12½- —
22-23%, bbls., same basis.lb. .12¾- —
24-25%, bbls., same basis.lb. .13 - —
26-27%, bbls., same basis.lb. .13½- —
28-29%, bbls., same basis.lb. .14 - —
30-31%, bbls., same basis.lb. .15 - —
32-33%, bbls., same basis.lb. .16¼- —

Green, chrome, reduced, 34-35%, bbls., same basis.lb. .17¼- —
36-40%, bbls., same basis.lb. .20 - —
41-45%, bbls., same basis.lb. .22¼- —
46-50%, bbls., same basis.lb. .22¾- —
51-55%, bbls., same basis.lb. .23½- —
56-60%, bbls., same basis.lb. .24 - —
61-65%, bbls., same basis.lb. .25 - —
66-70%, bbls., same basis.lb. .26¼- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide, pure, bgs., works. lb. .30 - .33
hydrated, bbls. .....lb. .35 - —
Malachite, thioflavin, toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.40 - —
Phthalocyanin, toner, bbls., works..lb. 4.40 - 5.00
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.00 - 4.00
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls. .....lb. .30 - .35
Guaiac, resin, cs.....lb. .48 - .49
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., N.F., tins....lb. 1.75 - —
Liquid, NF., bots., cbys....lb. 1.80 - —
Carbonate, dms. .....lb. 2.85 - —
Guarana, powd., cs. .....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Arabic, amber, sorts, bgs....lb. .13¾- .14
white, sorts, 1, bgs.....lb. .28 - .29

Gum, ammoniac, tears, cs.....lb. .90 - .95
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs.....lb. .60 - .65
Camphor (see C).
Copal, Congo, bgs.....lb. No prices.
East India, bgs. .....lb. No prices.
Manila, baskets .....lb. No prices.
Dammar, Batavia, AE, cs....lb. .36 - .37
F, cs. .....lb. .24 - .27
Singapore, No. 1, cs.....lb. .36 - .39
No. 2, cs.....lb. .34 - .36
Batu, bold, cs.....lb. .16 - .17
nubs, chips, bgs.....lb. .10½- —
Elemi, cns. .....lb. .29 - —
Ester, gum-resin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.....any quantity. .19½- —
wood-resin type, dms., any quantity, dlvd. Ill., Ind., etc..lb. .18 - —
Euphorbium, cs. .....lb. 1.50 Nom.
Galbanum, cs. .....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.30 - 2.40
powd., bbls. .....lb. 2.50 - 2.60
Ghatti, bgs. .....lb. No stocks.
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .30
Kauri, cs. .....lb. No prices.
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 2.50 - 2.75
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs....lb. .12 - .13
tears, cs.....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, bgs.....lb. .85 - .90
Scammony, cs.....lb. 1.50 - 1.55
Talha, bgs.....lb. .10 - .11

Gum, tragacanth, No. 1, cs....lb. 4.00 - 5.00
No. 2, cs.....lb. 3.25 - 3.50
No. 3, cs.....lb. 2.25 - 2.50
Yacca, bgs.....lb. No prices
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y.; works..ton.22.50 - —
New Brighton, N. Y., same basis..ton.21.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .58
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .70 - .71
Helonias root, bls.....lb. 2.25 - 2.30
Hematine extract, cryst., No. 0, bbls., l.c.l..lb. .44 - —
No. 1, bbls., l.c.l.....lb. .43 - —
No. 1A, bbls., l.c.l.....lb. .40 - —
No. 2, bbls., l.c.l.....lb. .39 - —
No. 3, bbls., l.c.l.....lb. .37 - —
No. 4, bbls., l.c.l.....lb. .35 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .18½- —
No. 2, bbls., l.c.l.....lb. .17½- —
No. 3, bbls., l.c.l.....lb. .16½- —
red, No. 4, bbls., l.c.l.....lb. .12 - —
Hemlock bark extract, 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .28
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial grade, 90°-100° C., dms., c.l., Group 3, gal. .13½- .16
l.c.l., Group 3.....gal. .19 - .85
tanks, Group 3.....gal. .10¼- .10½
77°-115° C., dms., c.l., Group 3..gal. .13½- .17
l.c.l., Group 3.....gal. .19 - .35
tanks, Group 3.....gal. .10½- .11¼
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .55
Hexalin (see cyclohexanol).
Hexaethyl tetraphosphate, cns., works..lb. 1.25 - —
dms., c.l., works.....lb. .80 - —
l.c.l., works.....lb. .90 - 1.00
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane, 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .14¼- .17
l.c.l., Group 3.....gal. .19 - .35
tanks, Group 3.....gal. .10¾- .11¼
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 6.75 - —
Hops, NF, bls.....lb. .55 - 1.30
Horehound, bls. .....lb. .12 - .13
Hydrangea, root, bls.....lb. .22 - .25
Hydrastine, alkaloid, bots....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18½
Hydroquinine bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns. .....lb.13.00 -21.00
dms., extra, ret'able, dlvd..lb.12.50 -16.00
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .51 - —
No. 2, bbls., l.c.l.....lb. .43 - —
liquid, No. 1, bbls., l.c.l..lb. .28 - —
No. 2, bbls., l.c.l.....lb. .23 - —
solid, No. 1, bxs., l.c.l....lb. .40 - —
Hysop herb, bgs.....lb. .55 - .60
leaves, bgs. .....lb. .60 - .70

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.00 -22.00
Inositol, tins, works.....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, 150-lb. kgs., ex whse., Staten Island..lb. 1.729 - —
resubl., 5-lb. bots., jars.....lb. 2.10 - 2.20
Iodoform, 100-lb. dms., kgs....lb. 4.45 - —
Ionone ketone, alpha, cns.....lb.15.00 -16.40
beta, cns. .....lb.11.50 -12.50
pure, cns. .....lb. 6.75 - 9.75
Methyl, A, cns.....lb. 8.50 - 8.80
D, cns. .....lb. 9.20 - 9.55
prime, cns. .....lb. 6.10 - 6.40

Heavy-duty ICC Drums and Bilged Barrels

★

Light-gage Drums, 55, 30, and 15 gal. capacity and 100 lb. Grease Drums

★

Lightweight Drums for Chemical and Pawdered Materials

★

Painted Various Colors or Decorated

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USE J&L STEEL BARRELS AND DRUMS

You can keep down the costs of loss-in-transit claims by shipping in J&L Barrels and Drums. They are built to take your products to your customers safely and protect them in storage.

J & L STEEL BARREL COMPANY

A SUBSIDIARY OF JONES & LAUGHLIN STEEL CORPORATION

PITTSBURGH 30, PA.

PLANTS

BAYONNE, N. J. • CLEVELAND, OHIO • PHILADELPHIA, PA. • NEW ORLEANS (GRETNA), LA.
NORTH KANSAS CITY, MO. • PORT ARTHUR, TEXAS

J&L STEEL

Ipecac root, bgs.	lb.	5.25 - 5.50
powd., bgs.	lb.	5.50 - 5.75
Irish moss, bleached, prime	lb.	.25 - .30
Iron acetate, liquor, 28°, bbls., c.l., works	lb.	.09 - —
l.c.l., works	lb.	.09¾- —
solut., USP IX, 100-lb. cbys.	lb.	.17 - —
50-lb. djns	lb.	.18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works. 100 lbs.		4.90 - 5.25
l.c.l., works 100 lbs.		6.50 - 6.85
cryst., tech., bbls., works, frt. alld. 100 lbs.		4.00 - 6.00
USP X, lump, bbls.	lb.	.07 - .08½
solut., 42 Be, cbys., works, frt. alld. or equald.	lb.	.06½- .06
djns., same basis	lb.	.10 - —
Citrate, gran., dms.	lb.	.77 - .79
Glycerophosphate, N.F., powd.	lb.	4.35 - —
Hypophosphite, bbls., dms.	lb.	1.50 - 1.52
Iodide, bots.	lb.	3.48 - 3.63
Naphthenate, 6% Fe, 50-gal. dms.	lb.	.19½- —
Nitrate, red, tech., dms.	lb.	.03½- .04
Oxalate, gran., dms.	lb.	.33 - .35
powd., cns.	lb.	.52 - —
kgs.	lb.	.47 - .49
Phosphate, soluble, NF, gran., cs.	lb.	.54 - .57
Pyrophosphate, NF, gran., soluble, dms.	lb.	.59 - .62
Reduced, 90%, kgs.	lb.	.65 - .75
Resinate, 7.4%, Fe, 100-lb. dms.	lb.	.22 - —
Stearate, dms., c.l.	lb.	.53 - —
ton lots	lb.	.54 - —
less ton lots	lb.	.55 - —
Sulphate (ferric), anhyd., bgs., c.l., works.	ton.	35.00 - —
l.c.l., works	ton.	40.00 - —
partially hydrated, bgs., c.l., works.	ton.	26.50 - —
(ferrous) tech. (see Copperas).		
USP, cryst., bbls., dms.	lb.	.06 - .08
Iron - ammonia citrate, brown, green, gran., dms.	lb.	.45 - .48
Oxalate, bbls.	lb.	.23½- —
dms., kgs.	lb.	.25½- .26½
Iron-soda oxalate, bbls., dms.	lb.	.25½- .26½
Isobutyl acetate, cns.	lb.	1.00 - 1.10
Isobornyl thiocyanoacetate, dms., c.l., works.	gal.	4.35 - —
l.c.l., works	gal.	4.45 - 4.65
tanks, works	gal.	4.23 - —
Isobutyl acetate, cns.	lb.	1.05 - 1.10
Propionate, cns.	lb.	No prices.
Isobutyraldehyde, dms., works.	lb.	.33 - —
10-gallon lots, works	lb.	.36 - —
Isoeugenol, extra, cns.	lb.	3.45 - 4.00
Isopentane, dms., works	lb.	.45 - .55
Isophorone, dms., c.l., works.	lb.	.21 - —
l.c.l., works	lb.	.22 - —
tanks, works	lb.	.20 - —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.	lb.	.1160- .1210
l.c.l., E. of Rockies, same basis.	lb.	.1210- .1260
tanks, E. of Rockies, same basis.	lb.	.1100- .1160
Alcohol (see Alcohol, isopropyl).		
Ether, dms., c.l., dlvd.	lb.	.06 - —
l.c.l.	lb.	.06¼- —
tanks, dlvd.	lb.	.04½- —
Isopropylamine, dms., works.	lb.	.25 - —

J

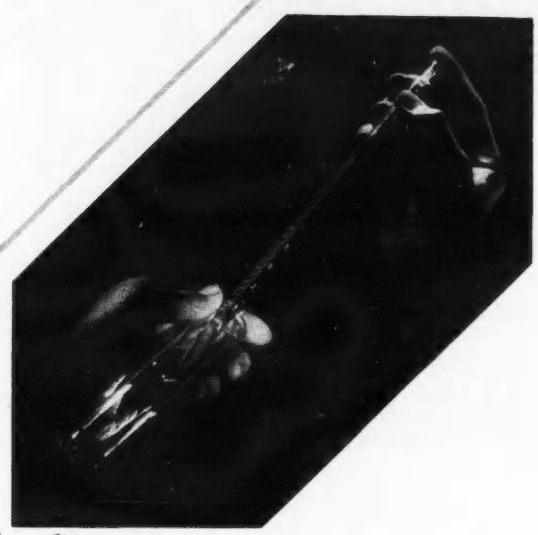
Jaborandi leaves, bls.	lb.	.25 - .28
Jalap root, NF, bls.	lb.	.42 - .45
powd., bbls., bxs.	lb.	.50 - .55
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, bgs.	lb.	.12 - .20
Juniper tar, USP, dms.	lb.	.68 - 1.00

K

Kamala, powd., cns.	lb.	.46 - .48
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.35 - .40
Kerosene, at refinery; Ark., 42-44 w.w., tanks.	gal.	.06625- .07125
Bayonne, 41-43, w.w., tanks, gal.		.061 - —
California, 40-43, w.w., tanks, gal.		.072 - .1155
Gulf ports, 41-43, w.w., tanks, gal.		.0600- .0650
Okla.-Tex., 41-43, w.w., tanks, gal.		.06875- .07125
Penn., 45 w.w., tanks.	gal.	.0775- .0795
47 w.w., tanks.	gal.	.0525- .053
Kola nuts, bgs.	lb.	.08 - .09
Kyanite, imp., low iron content, 10-mesh, whse.	ton.	85.00 -95.00
calcined, grain, 10-mesh, whse.	ton.	95.00 -105.00

L

Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Lard, cash, Chicago, trcs.	lb.	.20 Nom.
Larkspur seed, bgs.	lb.	.75 - .80
Larkspur seed, bgs.	lb.	.65 - .70
Laurel berries, bls.	lb.	.25 - .26
Leaves, Algerian, bls.	lb.	.13 - .13½
Cyprus, bls.	lb.	.28 Nom.
Greek, bls.	lb.	.11½- .12
Italian, bls.	lb.	.10½- .11
Portuguese, choice, bls.	lb.	.10½- .11
Turkish, bls.	lb.	.10½- .11
choice, bls.	lb.	.17 - .17½
Lavender flowers, medium, bls.	lb.	.50 - .55
ordinary, bls.	lb.	.35 - .45
select, bls.	lb.	.65 - .70
Lead, acetate, white, broken, bbls.	lb.	.18½ —
cryst., bbls.	lb.	.19¼- —
gran., powd., bbls.	lb.	.19¼- —
Arsenate, basic powder, 3-lb. bgs. or larger, c.l.	lb.	.21¾- —
l.c.l.	lb.	.22¾- 23¾
1-lb. bgs, c.l.	lb.	.29½- —
l.c.l.	lb.	.30½- .31½
Lead arsenate prices are works or whse. basis, frt. alld. on 96 lbs. or more to dest. East.		
Blue, basic sulphate, bbls., c.l., 20-ton lots, f.o.b. ship't pt, frt. alld.	lb.	.15¼- —
l.c.l., works	lb.	.15¼- —
Carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.49 - —
Iodide, NF V. jars	lb.	2.94 - —
Linoleate, solid, 13%, bbls.	lb.	.41¾- —
Metallic paste, dms., works.	lb.	No stocks
Naphthenate, 21% Pb, liquid, dms.	lb.	.20½- —
30% Pb, liquid, dms.	lb.	.24¾- —
37% Pb, solid dms.	lb.	.27½- —
Nitrate, bbls., l.c.	lb.	.17¾- —
l.c.l.	lb.	.18 - —
Oleate, bbls.	lb.	.17¼- —
Peroxide, powd., tech., bbls.,	lb.	.23 - .24
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), f.o.b. ship't point, frt. alld.	lb.	.1780- —
l.c.l., 5 tons, f.o.b. ship't point, frt. alld.	lb.	.1800- —
smaller lots, f.o.b. ship't point, frt. alld.	lb.	.1850- —
in oil, kgs.	lb.	.2075- —
Lead, red, 97% Pb_3O_4, bbls., c.l. (20 tons), f.o.b. ship't point, frt. alld.	lb.	.1785- —
l.c.l., 5 tons, f.o.b. ship't point, frt. alld.	lb.	.1825- —
smaller lots, f.o.b. ship't point, frt. alld.	lb.	.1875- —
98% Pb_3O_4, bbls., c.l. (20 tons), f.o.b. ship't point, frt. alld.	lb.	.1810- —
l.c.l., 5 tons, f.o.b. ship't point, frt. alld.	lb.	.1850- —
smaller lots, f.o.b. ship't point, frt. alld.	lb.	.1900- —
Resinate, precip., 23.8% Pb., dms.	lb.	.25 - —
Silicate, bgs.	lb.	.17 - .17½
Soyate, 20.15% Pb., dms.	lb.	.22¼- —
Stearate, bbls., c.l.	lb.	.55 - —
ton lots	lb.	.56 - —
less ton lots	lb.	.57 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 16% Pb., liquid, dms.,	lb.	No prices
30% Pb., solid, dms.	lb.	No prices
White, basic carbonate, bbls., c.l., f.o.b. ship't point, frt. alld.	lb.	.15¾- —
l.c.l., works	lb.	.16 - —
basic sulphate, bbls., c.l., f.o.b. ship't point, frt. alld.	lb.	.15¼- —
l.c.l., works	lb.	.15½- —
in oil, consumers, kgs.	lb.	.27 - —
painters, kgs.	lb.	.25¾- —
Lecithin, edible, dms., c.l.	lb.	.36 - —
l.c.l.	lb.	.38½- .58½
tech., dms., c.l.	lb.	.36 - —
l.c.l.	lb.	.38½- .58¼
Lemon peel, bls.	lb.	.35 - .40
Licorice extract, mass, cns.	lb.	.40 - .42
powd., bbls.	lb.	.60 - .62
Root, natural, bls.	lb.	.09½- .10
powd., bbls.	lb.	.17 - .18
5-lb. bundles, cs.	lb.	.60 - .65
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04¾- —
Lime, agricultural, bulk, works.	tons.	9.00 - 9.50
Chemical (quicklime), lump, pebble, Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	8.50 - —
Bellefonte, Pa.	ton.	8.50 - —
Berkeley, W. Va.	ton.	8.50 - —
Buffalo, N. Y.	ton.	10.25 - —
Carey, Ohio.	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	9.00 - —
Crab Orchard, Tenn.	ton.	7.90 - —
Eagle Mountain, Va.	ton.	8.50 - —
Farnams, Mass.	ton.	9.00 - —
Gibsonburg, Ohio.	ton.	7.50 - —
Hannibal, Mo.	ton.	7.50 - —
Keystone, Ala.	ton.	7.90 - —
Knoxville, Tenn.	ton.	7.90 - —
Limedale, Ark.	ton.	8.00 - —
Longview, Ala.	ton.	7.90 - —
Manistique, Mich.	ton.	8.00 - —
Marblehead, Ohio.	ton.	8.50 - —
Martinsburg, W. Va.	ton.	8.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	7.50 - —
Newala, Ala.	ton.	7.90 - —
Ripplemead, Va.	ton.	8.50 - —
Riverton, Va.	ton.	8.50 - —
Rockland, Maine.	ton.	8.00 - —
Scioto, Ohio.	ton.	6.50 - —
Sherwood, Tenn.	ton.	8.30 - —
Sherwood, Wisc.	ton.	8.50 - —
Springfield, Mo.	ton.	8.00 - —
Woodville, Ohio.	ton.	8.50 - —
York, Pa.	ton.	8.50 - —
Lime, hydrated, paper bgs., Adams, Mass.	ton.	11.25 - —
Annville, Pa.	ton.	11.00 - —
Bellefonte, Pa.	ton.	11.00 - —
Berkeley, W. Va.	ton.	10.00 - —
Buffalo, N. Y.	ton.	11.00 - —
Carey, Ohio.	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	11.00 - —
Crab Orchard, Tenn.	ton.	10.65 - —
Eagle Mountain, Va.	ton.	10.00 - —
Engle, W. Va.	ton.	11.00 - —
Farnams, Mass.	ton.	11.00 - —
Gibsonburg, Ohio.	ton.	9.50 - —
Hannibal, Mo.	ton.	9.50 - —
Keystone, Ala.	ton.	11.65 - —
Knoxville, Tenn.	ton.	11.00 - —
LeRoy, Minn.	ton.	10.00 - —
Limedale, Ark.	ton.	10.00 - —
Longview, Ala.	ton.	11.65 - —
Manistique, Mich.	ton.	9.50 - —
Marblehead, Ohio.	ton.	10.50 - —
Mitchell, Ind.	ton.	10.00 - —
Newala, Ala.	ton.	11.65 - —
Petoskey, Mich.	ton.	10.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. Dak.	ton.	12.00 - —
Ripplemead, Va.	ton.	10.00 - —
Rockland, Maine.	ton.	9.00 - —
Scioto, Ohio.	ton.	8.00 - —
Sherwood, Tenn.	ton.	12.14 - —
Sherwood, Wis.	ton.	10.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio.	ton.	8.50 - —
York, Pa.	ton.	11.00 - —
spray, Adams, Mass, paper.	ton.	11.00 - —
Annville, Pa.	ton.	11.00 - —
Bellefonte, Pa.	ton.	11.00 - —
Carey, Ohio.	ton.	11.00 - —
Engle, W. Va.	ton.	11.00 - —
Farnams, Mass.	ton.	9.50 - —
Gibsonburg, Ohio.	ton.	10.00 - —
Marblehead, Ohio.	ton.	10.00 - —



Monsanto Pharmaceuticals

Benzyl Benzoate
Saccharin, U.S.P.
Glycerophosphates
Sodium Benzoate, U.S.P.
Sodium Phosphate, D
Methyl Salicylate, U.S.
Ferric Phosphates
Chloral Hydrate, U.S.P.
Caffeine, U.S.P.
Phenol, U.S.P.
Benzoic Acid, U.S.P.
Magnesium Phosphates
Salicylic Acid, U.S.P.
Phenolphthalein, U.S.P.
Chloramine-T, U.S.P.
Phosphoric Acid
Calcium Phosphate, Di
Acetyl Salicylic Acid (Aspirin)
Acetophenetidin, U.S.P.
Potassium Ammonium Phosphate
Sodium Salicylate, U.S.P.
Sulfanilamide, U.S.P.
Acetanilid, U.S.P.
Salol (Phenyl Salicylate)

ACETOPHENETIDIN, U.S.P., long recognized as an antipyretic and analgesic, is another Monsanto pharmaceutical that enjoys wide trade acceptance because of its consistent uniformity and high purity — the result of Monsanto's exacting care in every phase of its manufacture . . . Technical service available . . . Contact the nearest Monsanto District Sales Office, or write MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second St., St. Louis 4, Mo. District Sales Offices: New York, Chicago, Boston, Detroit, Cleveland, Charlotte, Cincinnati, Birmingham, Houston, Los Angeles, San Francisco, Seattle. In Canada: Monsanto (Canada) Ltd., Montreal.

MONSANTO
CHEMICALS AND PLASTICS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Lime, spray, Rockland, Maine. ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville Ohio.....ton.10.00 - —
York Pa.....ton.11.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[8] 20.5% N. (see Ammonia nitrate-lime-stone).
Limestone, ground, bulk, works.. ton. 1.40 - —
Linalool, ex bois de rose.....lb. 7.75 - 8.15
ex lignaloe wood.....lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots..lb. 6.40 - 7.50
ex lignaloe wood, bots.....lb. 8.25 - 8.40
ex petitgrain, bots.....lb. 5.10 - 6.35
Linden flowers with leaves, bls. lb. .40 - .42
without leaves, bls.....lb. .50 - .51
Linseed meal, 34%, bulk, mills. ton.68.00 -69.00
Litharge, com'l, powd., bbls., c.l., f.o.b. ship't point, frt. alld..lb. .1660- —
l.c.l., 5 tons, f.o.b. ship't point, frt. alld..lb. .17 - —
smaller lots, f.o.b. ship't point, frt. alld..lb. .17½- —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.ton. 1.90 - —
Carbonate, NF, bbls., kgs...lb. 1.15 - —
Chloride, jars .....lb. 1.15 - 1.65
Citrate, bbls., dms., kgs....lb. 1.30 - 1.45
Fluoride, bbls. .....lb. 1.90 - —
Hydroxide, jars .....lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. .....lb. .05¾- —
l.c.l. .....lb. .06 - —
Titanated (high-strength), bgs., lb. .07¼- —
smaller lots .....lb. .07½- —
Lithopone, titanated (high strength), bbls., c.l..lb. .07½- —
smaller lots.....lb. .07¾- —
Lithopone, c.l., divd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ½c. higher.
Liverwort leaves, bls.....lb. .65 - .70
Lobelia herb, bls.....lb. .70 - .73
Lobeline sulphate, bots., wks.oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .37 - —
No. 2, bbls., l.c.l.....lb. .35 - —
liquid, No. 1, bbls., c.l....lb. .18 - —
No. 2, bbls., l.c.l.....lb. .17 - —
No. 3, bbls., l.c.l.....lb. .16½- —
No. 4, bbls., l.c.l.....lb. .16 - —
solid, No. 1, bxs., l.c.l....lb. .32 - —
No. 2, bxs., l.c.l.....lb. .30 - —
No. 4, bxs., l.c.l.....lb. .27½- —
No. 5, bxs., l.c.l.....lb. .25½- —
No. 6, bxs., l.c.l.....lb. .43½- .45½
Lovage root, imported, bls.....o. 1.20 - 1.25
Lupulin, NF, tin.....lb.10.00 -11.00
Lycopodium, USP, cs.....lb. 2.50 - 3.00

M

Mace, No. 1, Siauw, cs.....lb. 1.50 - 1.55
East indian, bgs., futures...lb. 1.60 - 1.65
West indian, bgs., futures..lb. 1.45 - 1.50
Broken, bgs., futures.....lb. 1.30 - 1.40
Madder, Dutch, bgs.....lb. .29 - .32
Magnesia arsenate, bgs., cans, works..lb. .20 - .30
Calcined, tech., bbls., works, lb. .29 - —
USP, works.....lb. .31 - .73
Carbonate, tech., bgs., c.l., frt. equald..lb. .07¼- —
l.c.l., frt. alld.....lb. .08¼- —
Magnesia, carbonate, tech., bbls., c.l., frt. equald..lb. .08½- —
l.c.l., frt. alld.....lb. .09½- —
kgs., c.l., frt. equald....lb. .09¾- —
l.c.l., frt. alld.....lb. .10¾- —
USP, bgs., c.l., frt. equald.lb. .09 - —
l.c.l., frt. alld.....lb. .10 - —
bbls., c.l., frt. equald....lb. .09½- —
l.c.l., frt. alld.....lb. .10¼- —
kgs., c.l., frt. equald....lb. .10¾- —
l.c.l., frt. alld.....lb. .11¾- —

Magnesia carbonate is quoted frt. alld. to N. J., except to Atlanta, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald. to N.Y.C. on all other destinations.

Chloride, anhyd., bbls., divd.lb. .12¾- —
flake, bbls., c.l., works..ton.37.00 - —
l.c.l., works.....ton 44.00 -46.00
Fluoride, bbls. .....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns. .....lb. 1.45 - —
Laurate, bbls. .....lb. .33 - .38
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls. lb. .62 - .64
Silicate (see Talc).
Silicofluoride, bbls.....lb. .14 - .16
Stearate, ctns., 2,000 lbs. to c.l. lb. .51 - —
smaller lots .....lb. .52 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, calcined, powd., bgs., c.l., mines, Calif..ton.60.00 - —
dead-burnt, bulk, c.l., Chewelah, Wash..ton.24.00 - —
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls. .....lb. 1.45 - 1.50
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .40 - .45
Manganese acetate, dms.....lb. .25½- —
Arsenate, bgs. .....lb. .12 - .12
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls. .....lb. .19 - —
Chloride, anhyd., bbls., wks.lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
85-90%, bbls., c.l., works. ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
84-87%, burlap bgs., c.l., works..ton.71.75 - —
l.c.l., works.....ton.74.75 -79.79
paper bgs., c.l., works. ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, fib. dms..lb. 4.25 - —
Hydrate, bbls., divd.....lb. .26 - —
Iodide, jars.....lb. 5.55 - —
Linoleate, liquid, 4%, Mn, dms. lb. .42¾- —
solid, precip., 8.2%, bbls..lb. .44¾- —
Naphthenate, liquid, 6% Mn, dms..lb. .21 - —
solid, 10% Mn, dms.....lb. .33¼- —
Resinate, fused, 3½%, Mn, bbls. lb. .09 - .10
precip., dms. .....lb. .20 - —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks.
feed grade, 77-80%, bgs....lb. .04 - .06
fertilizer grade, 65%, bgs., c.l., divd. East..ton.56.00 - —
l.c.l., same basis, or Balto. or Cincinnati... ton.62.00 - —
industrial grade, 80%, bgs.lb. .05 - .05
75%, bgs., c.l., divd. East. ton.64.50 - —
l.c.l., same basis.....ton.71.50 - —
Tallate, liquid, 4% Mn, dms.lb. No prices
solid, 8% Mn, dms.....lb. No prices
Mangrove bark, E. Africa, 35% tannin, c.l., ex dock, U. S. ports..ton.60.00 -62.00
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs. .....lb. No stocks.
Mannitol, com'l, bbls., works.lb. .38 - .43
reagent, cs. or multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
Chilean, bls.....lb. .09½- .10
futures, bls.....lb. .09½- .10
French, bls.....lb. .34½- .35
Matico leaves, bls.....lb. .17 - .18
Menadione, USP, bots., works. gram. .10 - —
Menthol, natural, USP, Brazilian. cns..lb. 8.50 - 8.75
synthetic, tech., cns.....lb. 6.00 - 6.40
USP, laevo, cns.....lb. No prices.
racemic, cns. .....lb. 7.00 - 7.40
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, dms..lb. .70 - .72
strong, dms. .....lb. 1.68 - 1.70
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms. .....lb. 2.33 - 2.35
Chloride (see Calomel).
Cyanide, crys., powd.....lb. 3.54 - 3.59
Iodide, red, NF, dms.....lb. 4.32 - —
yellow, NF, fib. dms....lb. 4.42 - —
Oxide, red, NF (see Red precipitate)
yellow, USP, fib. dms.....lb. 2.74 - 2.76
tech. (see Yellow, mercury oxide).
Mesityl oxide, dms., c.l., divd.lb. .13 - —
l.c.l., divd. .....lb. .13½- —
tanks, divd. .....lb. .11½- —
Metal leaf, composition, 5½x5½ in..pkg. .No stocks.
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. No stocks.
Silver, 3⅜x3⅜ in.....pkg. No stocks.
Metanitroparatoluidin, bbls....lb. 1.16 - 1.21
Metaphenylenediamine, kgs....lb. .72 - —
Metatolylenediamine, kgs....lb. .77 - —
Methanol, natural, Group A, all grades, dms., extra, c.l., E. of Miss. R..gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Group B, all grades, dms. incl. c.l., frt. alld..gal. .67 - —
l.c.l., same basis....gal. .78 - —
tanks, same basis....gal. .60 - —

Prices on natural methanol W. of Miss. R 3c. higher.

synthetic, dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld. or divd...gal. .37½- —
3, frt. alld.....gal. .41½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or divd..gal. .37 - —
2, frt. alld.....gal. .44 - —
3, divd. S. F. and L. A. gal. .42 - —
4, frt. alld. or divd....gal. .52½- —
tanks, Zone 1, frt. alld....lb. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

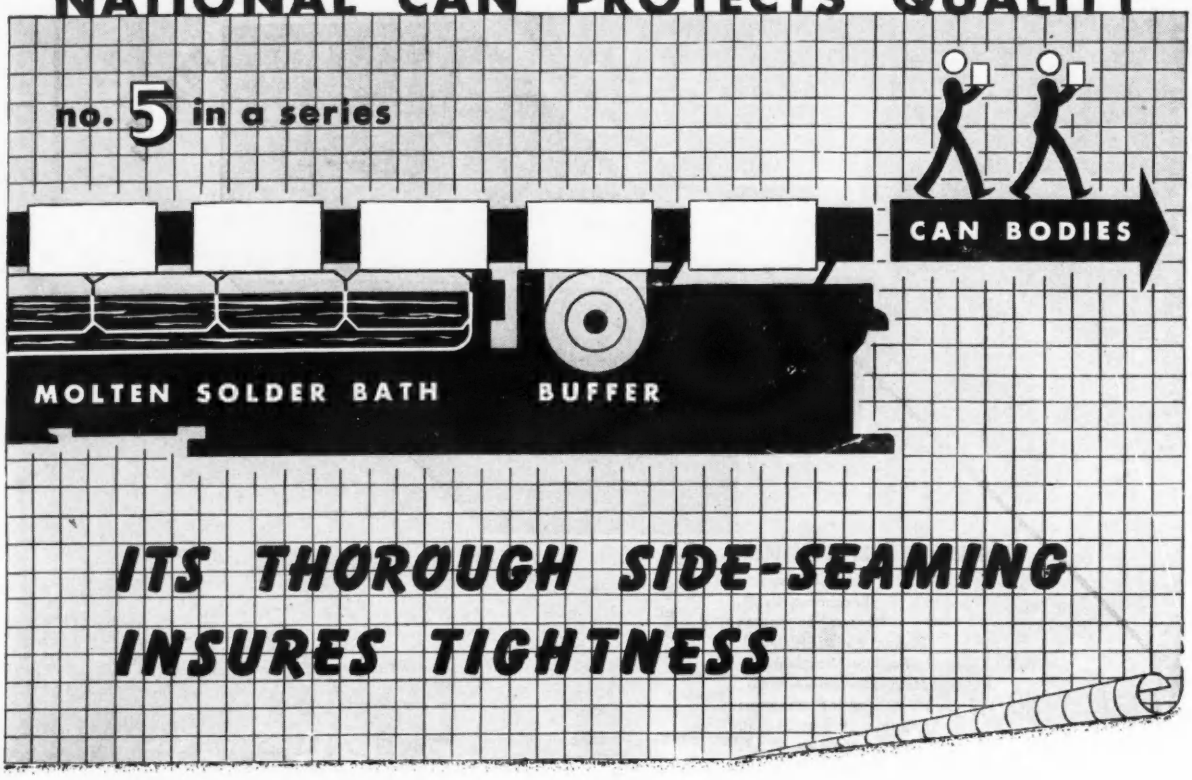
Synthetic methanol zones are: Zone 1- Conn., Del., D. C., Ill., Ind., Ia., Ky., Me Md., Mass., Mich., Minn., Mo., Neb., N. H N. J., N. Y., N. C., O., Pa., R. I., S. C Tenn., Vt., Va., W. Va., and Wis. Zone 2- Ala., Ark., Col., Fla., Ga., Kan., La Miss., N. Mex., N. Dak., Okla., S. Dak Tex., and Wyo. Zone 3—Los Angeles an San Francisco. Zone 4—Ariz., Calif. (wit exception of Los Angeles and San Fran cisco), Ida., Mont., Nev., Ore., Utah, an Wash. Buyers in zone 4 have the option buying at the delivered zone 4 price or the zone 3 price, f.o.b. Los Angeles an San Francisco.

Methyl abietate, non-ret. dms., c.l., divd..lb. .16 - —
10 dms.....lb. .16½- —
1-9 dms.....lb. .17 - —
hydrogenated, c.l., divd....lb. .17¼- —
10 dms., divd.....lb. .17¾- —
1-9 dms., divd.....lb. .18¼- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss.lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .09¼- —
Acetone, natural, Group A, dms., extra, c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis....gal. .60 - —

Natural methyl acetone prices W. Miss. R., 3c. per gal. higher.

Group B, dms., incl., c.l., E. Miss., frt. alld..gal. .67 - —
l.c.l., same basis....gal. .78 - —
tanks, same basis....gal. .60 - —

NATIONAL CAN PROTECTS QUALITY



ITS THOROUGH SIDE-SEAMING INSURES TIGHTNESS

As soon as a can body is formed, it is conveyed to a soldering machine. Here its side seam is soldered by contact between seam and rolls revolving in a bath of molten solder.

In the case of National Can manufacture, thoroughness includes precision preparation of solutions, careful and constant control of solder bath temperatures using correspondingly lower temperatures for soldering enameled cans than for plain cans.

In National Can side-seaming, cleanliness inside the can is accomplished by complete removal of all deposits acquired during these operations. Thus a clean, tight can proceeds to the next major steps, flanging, double seaming and testing.

1057

NATIONAL CAN CORPORATION

Executive Offices: 110 EAST 42nd STREET, NEW YORK 17, N. Y.

SALES OFFICES AND PLANTS IN: BALTIMORE, MD. CHICAGO, ILL. HAMILTON, OHIO BOSTON, MASS. INDIANAPOLIS, IND. MASPETH, N. Y. McKEESPORT, PA. ST. LOUIS, MO.

ethyl acetone, synthetic, dms., c.l., works, frt. alld. E. lb. .49 - —
frt. alld. W.....lb. .51½- —
l.c.l., works, frt. alld. E. lb. .53 - —
frt. alld. W.....lb. .55½- —
tanks, works, frt. alld. E.lb. .42½- —
frt. alld. W.....lb. .44½- —

Methyl acetone, synth. East territory is all states East of and including Colo., Mont., N. Mex. and Wyo. West territory, all states West of Colo., Mont., N. Mex. and Wyo.

Alcohol (see Methanol).
Anthranilate, dms.....lb. 2.20 - 2.50
bots., cns.....lb. 2.20 - 2.60
Benzoate, cns.....lb. .45 - 1.20
Bromide, cns.....lb. .63 - .65
cyls. .....lb. .55 - .70
Chloride, indust. grade, cyl., works..lb. .16 - —
tanks, multi-unit, works.lb. .14¾- —
single-unit, works.....lb. .14 - —
refrigeration grade, indust. consumers, refrigeration machinery mfgrs., cylinders, dlvd..lb. .33 - —
retail refrigeration consumers or service men, cylinders, dlvd..lb. .41 - —
Alcohol (see Methanol).
Cinnamate, cns.....lb. 2.00 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 3.00 - 3.25
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. No prices
Salicylate, dms., 500 lbs.....lb. .40 - —
25-50 lbs.....lb. .45 - —
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100% dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%..... dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%... dms., works..lb. No stocks
Methylene blue, USP, 100-lb. lots, kgs., frt. equald..lb. 2.20 - —
50-lb. lots kgs., same basis, lb. 2.30 - —
25-lb. lots, kgs., same basis, lb. 2.35 - —
Chloride, refrig., dms., dlvd. E..lb. .12 - .13
Methyleneanilin, dms., ton lots, min. frt. alld...lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd.lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .13½- —
Methylnaphthyl ketone, cns....lb. 3.00 - 3.75
Methylpentanediol, dms., dlvd., works..lb. .24½- —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .23 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.lb. .03½- —
roofing, 20 to 80 mesh, works, lb. .03¾- —
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05⅝- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05 - —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .06¼- —
l.c.l., ex whse. or frt. alld. E..lb. .06⅝- —
wallpaper, bgs., c.l. works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06⅝- —
l.c.l., ex whse, or frt. alld. E..lb. .07¼ —
mica, wet-grd., W. of Miss. R.. W. of Rockies, ¾c. higher. ½c. higher
Milk powder, skimmed, roller, bulk, c.l..lb. .09¼- .10¾
spray, bulk, c.l.....lb. .10¼- .11¾
whole, roller, bbls., c.l....lb. No stocks
spray, bbls., c.l.....lb. .34½- .36
Milk sugar, bbls., c.l., works.lb. .26 - —
l.c.l., works .....lb. .26¾- .27½
Mineral spirits (see Petroleum, mineral spirits)
Molasses, blackstrap, tanks..gal. .22 - .28
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 90% Mo. powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works, frt. equalized with comp. points..lb. .06 - .07¼
l.c.l., works .....lb. .06¼- .08½
tanks, works, frt. equalized with comp. points..lb. .05½- .06
smaller containers, works.. lb. .09 - .10
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., wks. basis 100%..lb. .17 - —
l.c.l., works, basis 100%..lb. .18 - —
tanks, basis 100%, works..lb. .15 - —
Monomethylamine, anhydrous, cyl., works, frt. alld. E. of Miss. basis 100%..lb. .32½- —
solution, dms., works, frt. alld. E. of Miss., basis 100%. lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs. .....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.70 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.75 - —

Morpholine, dms., l.c.l., works. lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin grains, bots. oz.55.00 -60.00
synthetic, ambrette, cns..... 8.00 -14.25
ketone, cns., 100 lbs. or more. lb. 4.60 - 4.95
25 lbs. .....lb. 4.70 - 5.05
5 lbs. .....lb. 4.80 - 5.15
xylol, cns. .....lb. 1.10 - 1.80
25 lbs. .....lb. 1.20 - 1.90
5 lbs. .....lb. 1.30 - 2.00
Muskroot, bls. .....lb. No prices.
Mustard seed, Calif., brown, bgs. lb. .16½- .17
yellow, bgs. .....lb. .21 Nom.
Danish, yellow, bgs.....lb. .18½- .19
Dutch, yellow, bgs.....lb. .22½- .23
Montana, brown, bgs.....lb. .16½- .17
yellow, bgs.....lb. .18 - .18½
futures, source.....lb. .16 - .16½
oriental, bgs.....lb. .09 - .09½
futures, f.o.b. source...lb. .07 - .07½
Washington, yellow, bgs....lb. No prices.
Myrobalans, J1, good quality, ex dock..ton.47.00 - —
J2, same basis.....ton.43.00 - —

N

Naphtha painters (see Petroleum naphtha, V. M. & P.) Solvents (see 8).
Naphthalene, dom., crude, 74° bgs., c.l., frt. equald..lb. — - —
bbls., c.l., same basis..lb. — - —
tanks, same basis.....lb. .035 - .0475
78°, bgs., c.l., same basis.lb. — - —
bbls., c.l., same basis..lb. .0410- —
l.c.l., same basis.....lb. .0435- —
tanks, same basis.....lb. .0375- .05
Naphthalene, refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works..lb. .09½- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.13.75 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.17.25 - —
Nepheline syenite in bgs. $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .39 - —
Chloride, bbls.....lb. .20 - —
Cyanide, bots., dms.....lb. 1.75 - 2.00
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .14 - .14½
Nicotinamide, USP, dms., works. kilo.10.50 -10.80
Nicotine sulphate, 40%, dms., 50 lbs., to dealers, frt. allowed over 50 lbs..lb. .968 - —
tins, 10 lbs.....lb. 1.105 - —
Nikethamide, bots., cbys.....lb. 6.50 - 7.50
Nitercake, bulk, works.....ton.20.00 -24.00
Nitrobenzene, dbl. dist., dms., c.l. lb. .08½- .08¾
l.c.l. .....lb. .09½- .10
tanks .....lb. .07½- .07¾
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 40-60 cps, same basis. lb. .27 - —
ester-soluble, 5-6, 15-16 cps. and higher, bbls., works, dry weight..lb. .20 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable

Nitroethane, dms., works.....lb. .28 - —
Nitrogen solut., tanks.....ton.107.00 - —

Nitrogen solution prices are frt. alld. with Hopewell, Va., and Military, Kan.

Nitrogenous process tankage, bulk, works..unit of ammo. 4.50 - 5.50
Sewage sludge, bulk, works.... unit of ammo. 4.15 + 40- —
Nitromethane, dms., c.l., works. lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
2, dms., works.....lb. .25 - —
Nutgalls, bgs.....lb. .44 - .50
Nutmegs, West Indian, bgs...lb. .66 - .67
futures .....lb. .64 - .65
East Indian, bgs., futures....lb. .62 - .63
Nux vomica, bls.....lb. .09 - .10
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100° C-140° C, industrial grade, dms., c.l., G. 3..gal. .16 - —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.50 - 5.00
NF, bots.....lb. 4.90 - —
sweet, ex., dms., cns.....lb. .80 - 1.10
Angelica root, bots.....lb.40.00 -250.00
Seed, bots. .....lb.120.00 -200.00
Anilin (see A).
Anise, USP, Chinese, dms...lb. .80 - 1.00
Russian, cns. .....lb. 3.75 - —
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10

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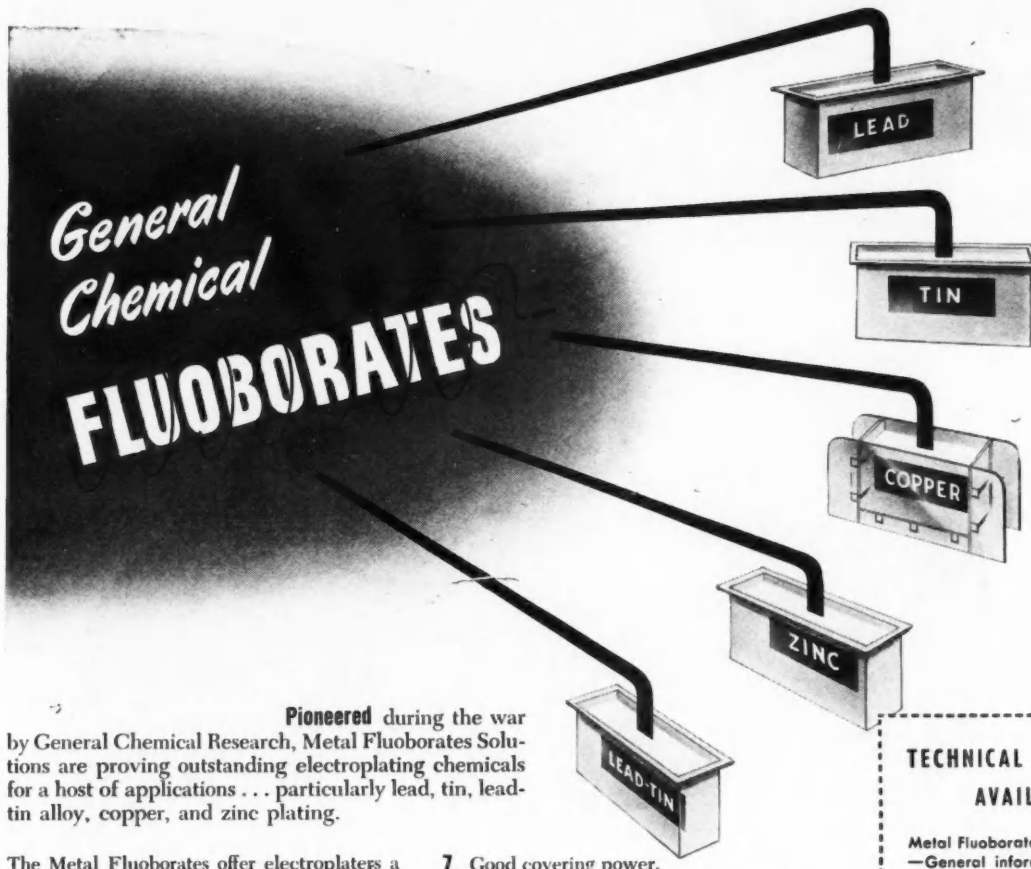

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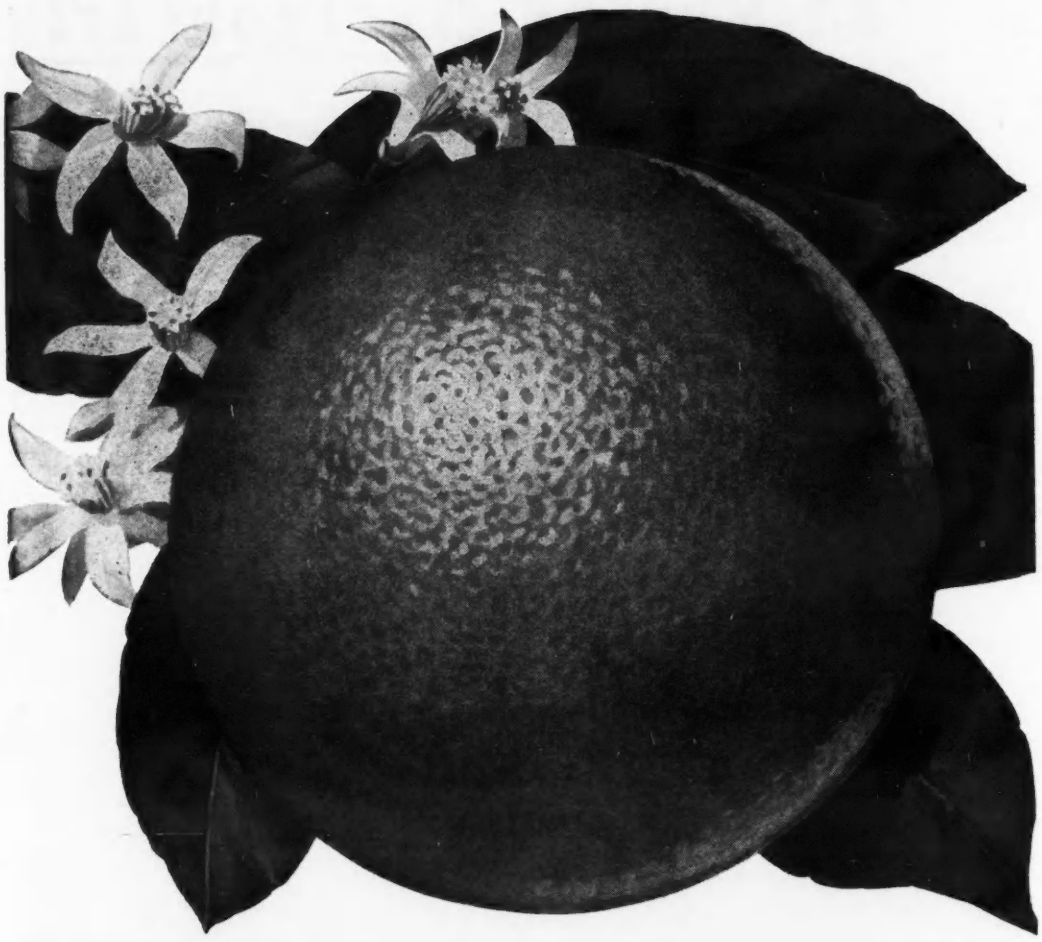
GENERAL CHEMICAL COMPANY
FOR AMERICAN INDUSTRY ©

Oil, babassu, tanks.....lb. No prices
Bay, NF, Puerto Rican, 50-55%, cns..lb. 1.70 - 2.25
55-60%, cns.....lb. 1.75 - 2.35
60-65%, cns.....lb. 2.50 - —
West Indian, 50-55%, cns.lb. 1.35 - 1.65
Bergamot, artif., cns.....lb. 4.00 - —
natural, Italian, cns.....lb. 4.95 - 5.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. No prices
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 4.10 - 5.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.75 - 3.20
redistilled, USP IX, cns....lb. 2.60 - 3.20
Calamus, cns.....lb.22.00 -28.00
Camphor, white, nat., cns...lb. .20 - .75
synthetic, dms.....lb. .15 - .35
Cananga, native, cns.....lb. 8.00 - 9.10
rectified, cns.....lb.12.00 12.60
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns.....lb. 5.50 - 6.50
Cardamom, bots.....lb.23.50 -31.50
Cassia, USP, cns.....lb. 3.10 - 3.70
Castor, blown, ret. dms., c.l..lb. .32 - .32½
l.c.l.....lb. .33 - .33½
cold-pressed, USP, ret. dms., c.l..lb. .30 - —
l.c.l.....lb. .31 - —
tanks.....lb. .29 - —
dehydrated, bodied, dms., c.l. lb. .32¾- —
l.c.l.....lb. .33½- —
tanks.....lb. .32 - —
unbodied, dms., c.l.....lb. .31¾- —
l.c.l.....lb. .32½- —
unbodied, tanks.....lb. .31 - —
No. 3, tech., dms., c.l.....lb. .29¾- —
l.c.l.....lb. .30¾- —
tanks.....lb. .28¾- —
sulphonated, 50% (48% fat), dms..lb. .16½- .17
75% (62-64% fat), dms....lb. .24 - .25
Cedarleaf, USP, cns., dms...lb. 2.35 - 2.65
Cedarwood, cns.....lb. .93 - 1.05
dms.....lb. .90 - 1.00
Celeryseed, bots.....lb.18.00 -20.00

Oil, chaulmoogra, NF, cns., dms. lb. .56 - —
Chinawood (see Oil, tung).
Cinnamon bark oil, bots....lb.40.00 -65.00
leaf, dms.....lb. 1.85 - —
Citronella, Ceylon, cns.....lb. 1.70 - 2.70
Java, cns.....lb. 3.75 - 4.75
Clove, USP, cns.....lb. 1.40 - 1.60
Coconut, Ceylon type, tankcars, Atlantic ports..lb. .15 - —
tankcars, Pac. Coast....lb. .14 - —
refined, Cochin type, tax incl., ret. dms., l.c.l..lb. .22½- —
deodorized, tax incl., ret. dms., l.c.l..lb. .23 - —
Cod, Newfoundland, dms....gal. No prices
tanks.....gal. No prices
Codliver, USP, bbls., dms..gal. 2.60 - 3.70
Coriander, bots.....lb.17.00 -22.00
Corn, crude, tanks, works....lb. .20 - .20½
refined, tanks, works.....lb. .24½- —
foots, acid, 95%, tanks, dlvd. E..lb. .14 Nom.
raw, 50%, tanks, dlvd. E..lb. .07 Nom.
Cottonseed, crude, tanks, works. lb. .22 - —
deodorized, winterized, salad, dms., c.l..lb. .27 Nom.
l.c.l.....lb. .28 Nom.
tankcars.....lb. .26 Nom.
foots, acid 95%, tanks, dlvd. E..lb. .14 Nom.
raw, 50%, tanks, dlvd. E. lb. .67 Nom.
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns.....lb. 8.25 -10.00
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.25 -11.50
Cypress, bots.....lb.15.00 Nom.
Degras (see D).
Dillseed, bots.....lb. 6.50 - 7.00
Dillweed, bots.....lb. 4.37 - 5.25
Dip (see D).
Erigeron, cns.....lb. 2.30 Nom.
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.05 - 1.25
70-80%, cns.....lb. .95 - 1.13

Oil, fennel, sweet, cns.....lb. 4.55 - —
Fir, Canada, cns.....lb. 2.50 - 2.75
Fishliver, 8,000-15,000 A units per gram, dms., per million units. .12 - —
15,000-30,000 units, dms., per million units. .13 - —
30,000-60,000 units, dms., per million units. .15 - —
60,000-100,000 units, dms., per million units. .20 - —
over 100,000 units, dms., per million units. .23 - —
concentrates, 200,000 or more A units per gram, dms., per million units. .36 - .40
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns....lb.19.00 -21.00
Bourbon, cns.....lb.13.50 -16.00
Russian, cns.....lb. No stocks.
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 9.50 -12.00
Grapefruit, Florida, cns....lb. 2.30 - —
California, bots., cns.....lb. 1.78 - 2.60
Grease, common, No. 1, dms., Chicago..lb. .19½- —
prime, burning, dms., Chicago. lb. .21½- —
Guaiacwood, cns.....lb. 2.50 - 3.80
Hemlock, cns.....lb. 2.65 - —
Herring, crude, tanks, Pac. coast..lb. No prices.
Juniper berry, dom., bots....lb.10.00 -12.50
imported, NF.....lb. No stocks.
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns....lb. .83 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb.20.00 Nom.
Lavandin, cns.....lb. 2.80 - 3.75
Lavender flower, French, 38-42% ster..lb. 9.00 -10.50
30-32% ester.....lb. 6.05 - 8.00
Russian, cns.....lb. No stocks.
Spike, Spanish, pure, cns..lb. 1.75 - 2.40
tech., cns.....lb. 1.05 - 2.50

Oil, lemon, USP, Calif., cns...lb. 3.40 - 3.50
Messina, cns.....lb. 3.40 - 4.25
Terpeneless, bots.....lb.50.00 - —
Lemongrass, cns., dms.....lb. 1.75 - 2.00
Lignaloe seed, Mexican, cns..lb. No stocks
Wood, Mexican, cns.....lb. 3.50 - 4.00
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns.lb. 5.50 - —
West Indian, cns.....lb. 5.35 - 6.30
expressed, West Indian, cns.lb.12.50 -13.50
Linseed, raw, dms., c.l.....lb. .36 - —
l.c.l.....lb. .3660- .37
tankcars.....lb. .35 Nom.
tankwagon.....lb. .3520 Nom.
Boiled linseed oil, .007 higher than raw.
Linseed replacement, dms., c.l. lb. .3320- —
l.c.l.....lb. .3360- .34
tankcars.....lb. .3220 - —
Lubricating, at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - .25
neutral, 300 vis., No. 3, col., 0.10 pour, tanks.. gal. .18½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks.gal. .16 - .18
145-155 vis. No. 3, color, 10-25 pour, tanks..gal. .26 - .31
cylinder, oils, 600-680 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .36
200 vis., 25 pour, tanks. gal. .28 - .35
Mace, dist., cns., dms.....lb. 7.75 - 8.50
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns.....lb. 8.00 - 8.40
Italian, cns.....lb 10.00 - —
Menhaden, crude, tanks, Balto. lb. No prices
refined, alkali, dms., l.c.l..lb. .26½- —
kettle-bodied, dms., l.c.l..lb. .28 - —
light-pressed, dms., l.c.l..lb. .25 - —
tanks.....lb. .24 - —
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., c.l.....lb. .30 - —
Neatsfoot, 15°, ret. dms., works. lb. .48 Nom.
20°, ret. dms., works.....lb. .46 Nom.
30°, ret. dms., works.....lb. .45 Nom.
Neroli, French, bots.....lb.160.00 -390.00
Haitian, bots.....lb.180.00 -200.00
Nutmeg, cns.....lb. 7.50 - 8.75
Ocotea symbarum, dms.....lb. .90 - 1.15
Oiticica, liquid, tankcars....lb. .22 Nom.
dms., carlots.....lb. .24 Nom.
l.c.l.....lb. .26 Nom.
Oleo, extra, tcs., Chicago....lb. .19 Nom.
Olibanum, bots.....lb. 5.00 - 6.25
extra, fine.....lb. 6.25 -10.50
Olive, denat., dms.....gal. No stocks
edible, Calif., dms.....gal. 6.25 - —
imported, dms.....gal. 6.75 - 6.85
foots, dms., c.l.....lb. No prices
tankcars.....lb. No prices
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l.....lb. No stocks
80% (68% fat), dms., c.l., lb. No stocks
l.c.l.....lb. No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l.....lb. No stocks
Orange, sweet, dist., cns.....lb. 1.08 - 1.75
expressed, USP, Brazilian, cns..lb. 1.60 - 2.00
Calif., cns.....lb. 1.08 - 2.10
Florida, cns., dms.....lb. 1.45 - 1.85
Messina, coppers.....lb. 4.50 - 4.75
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb.100.00 -135.00
Origanum, Spanish, cs.....lb. 3.25 - 3.50
Palm, Niger, dms.....lb. No prices
Palmarosa, cns.....lb. 7.25 - 9.00
Palmkernel, crude, bulk, c.i.f., N. Y..lb. No prices
Paraffin, 300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.3..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¼- —
Patchouli, imported, cns....lb.22.00 -40.00
Peanut, crude, tanks, works..lb. .23 - —
foots, acid, 95%, tanks, dlvd. E..lb. .14 Nom.
raw, 50%, tanks, dlvd. E.lb. .07 Nom.
refined, tanks, mills.....lb. .28 Nom.
Pennyroyal, dom., dms., cns.lb. 3.85 - 3.95
import, cns.....lb. 4.05 - 5.00
Peppermint, natural, dms...lb. 8.00 - 8.70
redist., USP, dms.....lb. 8.40 - 9.00
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns...lb. 3.10 - 4.30
Pimento, berry, dms.....lb. 4.25 - 6.50
Leaf, cns.....lb. 2.35 - 3.25
Pine, destructive dist., dms., c.l., extra, wks., South. gal. .67 - —
l.c.l., same basis.....gal. .68 - —
tanks, wks., South.....gal. .61 - —
steam-dist., dms., dlvd. E.gal. .88 - —
Pineneedle, cns.....lb.3.55 - 3.70
Putty, petroleum, heavy, dms. gal. .18 - —
tankwagon.....gal. .13½- —
light, dms.....gal. .16½- —
tankwagon.....gal. .12½- —
Rapeseed, dms., c.l.....lb. No prices
Red, single dist., ret. dms..lb. .21¾- .22¾
tankcars.....lb. .20½- —
double dist., ret. dms.....lb. .24¼- .25¼
tankcars.....lb. .23 - —
Rose, natural, coppers.....oz.36.00 -42.00
Rosemary, Spanish, tech., cns., dms..lb. 1.00 - 1.50
USP, cns., dms.....lb. 1.40 - 1.60
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .78 - —
Rue, bots.....lb. 4.90 - 5.50
Sage, Dalmatian, cns.....lb. 5.25 - 6.50
Spanish, cns.....lb. 2.30 - 3.00
Sandalwood, NF, Mysore, cns., case lots..lb.14.00 -22.50
Sardine, crude, tanks, Pac. coast..lb. No prices
refined, alkali, dms., l.c.l..lb. .26½- —
kettle-bodied, dms., l.c.l..lb. .28 - —
light-pressed, dms., l.c.l..lb. .25 - —
tanks.....lb. .24 - —
Sassafras, artificial.....lb. .85 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.95 - 2.30
Savin, cns.....lb. 5.75 - 9.00
Savory, cns.....lb. 8.00 - —
Seal, No. 1, tanks, U.S. ports. lb. No prices
Sesame, tanks.....lb. No prices
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .15 - .16



THE WORLD'S FINEST ORANGE OIL

Made exclusively from oranges from the Sunkist Groves of California.

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Give it all your tests for *quality, uniformity* and *strength*. Then you'll buy Exchange Brand.

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Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Exchange
OIL OF
ORANGE
U. S. P.

snakeroot, Canada, cns.	lb.	22.00	—
soybean, crude, tankcars, mills,	lb.	.19½-	.20
refined, alkali, dms., c.l.	lb.	.2483-	—
l.c.l.	lb.	.2520-	—
tankcars	lb.	.2383-	—
clarified, dms., c.l.	lb.	.2313-	—
l.c.l.	lb.	.2350-	—
tankcars	lb.	.2213-	—
winterized, ref., tankcars.	lb.	.23	Nom.
stoots, acid, 95%, tanks, dlvd. E.	lb.	.14	Nom.
raw, 50%, tanks, dlvd. E.	lb.	.07	Nom.
spearmint, dms.	lb.	13.25	-14.75
sperm, bleached, 38°, dms.	lb.	No prices	
spike, natural, 45°, dms.	lb.	No prices	
spruce, cns., dms.	lb.	2.40	- 2.65
sunflower, imported, refined, tanks.	lb.	No prices.	
semi-refined, tanks	lb.	No prices.	
sweet birch, North, cns.	lb.	5.85	- 8.00
South, cns.	lb.	2.60	- 3.25
tall, crude, tankcars, works.	ton.	90.00	Nom.
refined, dms., c.l., works.	lb.	.07¾-	—
l.c.l., works	lb.	.08¼-	—
tanks, works	lb.	.06¾-	—
tallow, acidless, dms., Chicago.	lb.	.19½	Nom.
tansy, cns.	lb.	14.00	- —
tar, pine, crude, dms., extra, c.l., works, South.	gal.	.36½-	—
l.c.l., works, South.	gal.	.38½-	—
tanks, works, South.	gal.	.30½-	—
rectified, USP, t.c.l., dms. extra, wks., South.	gal.	.57	- —
tar acid (see T).			
thyme, red, NF, cns.	lb.	2.50	- 3.25
white, cns.	lb.	2.95	- 3.60
technical, cns.	lb.	.93	- —
tung, dms., c.l.	lb.	.27	- —
l.c.l.	lb.	.28	- .28½
tankcars	lb.	.25	- —
Turkey red (see Oil, castor, sulphonated).			
Turpentine, rectified, USP, cns., dms.	lb.	.30	- .39
Vetiver, Bourbon, cns.	lb.	30.00	-38.00
Haitian	lb.	31.00	-33.00
Whale, ref., natural, dms.	lb.	No stocks.	
Winter bleached, dms.	lb.	No stocks.	
Wheat germ, dms.	gal.	10.00	-13.50
White, mineral, tech., f.o.b., N. Y., 50-60 vis., dms., incl., c.l.	gal.	.42	- —
l.c.l.	gal.	.44	- .46
65-75 vis., dms., dms. incl., c.l.	gal.	.45	- —
l.c.l.	gal.	.47	- .52
USP, 80/90 vis., dms., dms. incl., c.l.	gal.	.49	- —
l.c.l.	gal.	.51	- .56
125/135 vis., dms., dms. incl., c.l.	gal.	.61	- —
l.c.l.	gal.	.64	- .68
145/155 vis., dms., dms. incl., c.l.	gal.	.63	- —
l.c.l.	gal.	.66	- .70
175/185 vis., dms., dms. incl. c.l.	gal.	.66	- —
l.c.l.	gal.	.69	- .73
200/210 vis., dms., dms. incl., c.l.	gal.	.70	- —
l.c.l.	gal.	.73	- .77
535/545 vis., dms., incl., c.l.	gal.	.73	- —
l.c.l.	gal.	.80	- .86
55, 70 and 85 vis., non-ret. dms., San Francisco.	gal.	.45	- —
smaller lots, same basis.	gal.	.47	- .50
100 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.56½-	—
smaller lots, same basis.	gal.	.57½-	.61½
145 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.64	- —
smaller lots, same basis.	gal.	.66	- .68
160 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.69½-	—
smaller lots, same basis.	gal.	.71½-	.74½
240 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.81	- —
smaller lots, same basis.	gal.	.83	- .86
Wintergreen, natural, North, cns.	lb.	7.00	-17.25
South, cns.	lb.	3.65	- 6.00
Synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, NF, cns.	lb.	4.90	- 5.50
Wormwood, cns.	lb.	11.25	-11.50
Ylang-ylang, Bourbon, extra, bots.	lb.	15.50	-25.00
first, bots.	lb.	12.50	-14.50
second, bots.	lb.	8.00	- 9.50
third, bots.	lb.	5.00	- 7.50
Zeostearin, loose	lb.	.17	Nom.
Zivine, aggregate, c.l., mines.	ton.	7.00	- 9.50
crushed, 8 mesh, bulk, c.l., works.	ton.	10.00	- —
paper bgs., c.l., works.	ton.	12.00	- —
lumps, paper bgs., c.l., works.	ton.	7.00	- —
zirconium, USP, cns.	lb.	21.30	-21.55
gran.	lb.	22.70	-29.95
powd.	lb.	22.70	-29.95
Zinc, cadmium lithopone, bbls., frt. alld. E. of Rockies.	lb.	1.00	- —
Zinc Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.24	- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas, Tex., Ft. Worth, Tex., 1½c.; El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Zinc Dinitroanilin toner	lb.	1.15	- —
Zinc Molybdate, bbls.	lb.	.38	- —
Zinc Orthonitroanilin toner, bbls., kgs., works.	lb.	1.05	- 1.15
Zinc Persian, bbls.	lb.	.30	- .45
Zinc orange mineral, American, bbls., 5 tons, f.o.b. ship't point, frt. alld.	lb.	.20½-	—
smaller lots, bbls., f.o.b. ship't point, frt. alld.	lb.	.21	- —
Zinc orange flowers, bls.	lb.	.46	- .48
Zinc orange peel, bitter, Haitian, bls.	lb.	.13	- .14
Sweet, bls.	lb.	.14	- .16
Zinc origano, Italian, bgs.	lb.	.27	- .27½
Zinc Mexican, bgs.	lb.	.16	- .16½
Zinc Portuguese, bgs.	lb.	.19½-	.20
Zinc oris root, Florentine, bls.	lb.	.34	- .35
Zinc Verona, bls.	lb.	.22	- .23
Zinc Thoamylphenol, dms., works.	lb.	.27	- —
Zinc Thoanisidin, bbls.	lb.	.70	- —
Zinc Thochloroanilin, dms.	lb.	.60	- —
Zinc Thochlorophenol, dms.	lb.	.25	- .31
Zinc Thocresol, 30.4° C., min., M.P., dms., c.l., works.	lb.	.24	- .24½
l.c.l., works	lb.	.24½-	.25
30° C., mn., M.P., dms., c.l., works.	lb.	.26	- —
l.c.l., works	lb.	.27½-	—

Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.07½-	.08
l.c.l., same basis	lb.	.09½-	.10½
tanks, same basis	lb.	.07	- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.			
Orthonitroanilin, dms.	lb.	.43	- .55
Orthonitrochlorobenzene, dms.	lb.	.15	- .18
Orthonitrodiphenyl, tech., grade A., dms., c.l., works.	lb.	.10	- —
l.c.l., works	lb.	.11	- —
grade B, dms., c.l., works.	lb.	.06	- —
l.c.l., works	lb.	.07	- —
Orthonitroparachlorophenol, cns.,	lb.	.75	- —
Orthonitrotoluene, dms.	lb.	.08	- .09
Orthophenetidin, dms.	lb.	.90	- —
Orthotoluidin, dms.	lb.	.18	- .21
Osage orange crystals, bbls.	lb.	.32	- —
extract, No. 1, bbls.	lb.	.15	- —
Ouabaine, USP, bots.	gram.	3.00	- 4.00
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	6.40	- —
small lots, works.	lb.	6.55	- 7.40

P

Papain, powd, cs.	lb.	5.75	- 6.00
Papaverine, natural or synthetic, hydrochloride, NF, cns., 1,000-oz. lots.	oz.	7.00	- —
smaller lots.	oz.	7.25	- 7.60
Sulphate, cns.	oz.	7.10	- 7.35
Paprika, Chilean, bgs.	lb.	.33	- .34
Portuguese, bgs.	lb.	.40	- .41
Spanish, bgs.	lb.	.45	- .47
Para-anisidin, dms., works.	lb.	.75	- —
Parachlorophenol, dms., c.l., works.	lb.	.25	- —
l.c.l., same basis	lb.	.27½-	.29
Paracresol, bots., works.	lb.	.41	- .50
Paracymene, dms., c.l., works.	lb.	.1595-	—
l.c.l., same basis	lb.	.1645-	—
tanks, same basis	lb.	.1545-	—
Paradichlorobenzene, dms., c.l., works.	lb.	.12½-	—
l.c.l., same basis	lb.	.14	- —
Paraffin, crude, scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery.	lb.	.06	- .06¼
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery.	lb.	.05	- —
123-125 ASTM, refinery.	lb.	.0610-	.0645
125-127 ASTM, refinery.	lb.	.0610-	.0655
128-130 ASTM, refinery.	lb.	.0640-	.0675
130-132 ASTM, refinery.	lb.	.0665-	—
133-135 ASTM, refinery.	lb.	.0695-	.0710
135-137 ASTM, refinery.	lb.	.0720-	—
Prices in bags 4/10c. lb. higher.			
Paraformaldehyde, dms., 1,000 lbs. or more, works.	lb.	.21	- —
smaller lots, works.	lb.	.22	- —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.13	- —
10-gal. dms., works.	lb.	.16	- —
USP, cbys.	lb.	.49	- .62
Paranitroanilin, kgs., works.	lb.	.41	- .43
Paranitrochlorobenzene, kgs., wks.	lb.	.15	- —
Paranitrophenol, kgs.	lb.	.35	- —
Paranitrotoluene, kgs., works.	lb.	.30	- —
Paraphenylenediamine, tech., kgs.	lb.	1.23	- —
Paratoluenesulphonamide, bbls.	lb.	.70	- —
Paratoluidin, bbls., works.	lb.	.44	- .53
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. East.	lb.	.31	- —
l.c.l., same basis	lb.	.32	- .33
Passion flower herb, bls.	lb.	.35	- .40
Patchouli leaves, bls.	lb.	.38	- .40
Pectin, bbls.	lb.	1.25	- —
Penicillin, amorph., calcium, bulk, 1,000,000,000 units.	100,000 units.	.19	- —
sodium, bots.	100,000 units.	.25	- —
cryst., sodium, bots.	100,000 units.	.27	- —
bulk, 1,000,000,000 units.	100,000 units.	.21	- —
Pennyroyal leaves, bls.	lb.	.24	- .25
Pentachlorophenol, dms., works.	lb.	.20	- .25
Pentaerythritol, tech., bbls., c.l., works.	lb.	.32	- —
l.c.l., works	lb.	.34	- .36
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3,	gal.	.11	- .14
l.c.l., dms., Group 3,	gal.	.17	- .20
tanks, Group 3	gal.	.07½-	.08
28°-38° C., laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., Group 3	gal.	.29	- —
Pepper, black, bgs.	lb.	.28	- .29
futures, bgs.	lb.	.27½-	.30
Red, capsicum, Louisiana, longs, bgs., shipment point.	lb.	.20	- 21
sports, bgs.	lb.	No stocks	
Mombassa, bgs.	lb.	.39	- .40
Niger, bgs.	lb.	.23½-	.24
Sierra Leone, futures.	lb.	.27	- .28
Chillies, Haitian, bgs.	lb.	.56	- .57
Mexican, long	lb.	.50	- .51
White, bgs.	lb.	.51	- .51½
Peppermint, dom., USP, bls.	lb.	.90	- .95
imported, USP, bls.	lb.	.96	- 1.00
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.10¼-	—
Zone 2, same basis	lb.	.10¾-	—
Zone 3, same basis	lb.	.11¼-	—
Zone 4, same basis	lb.	.11¾-	—
l.c.l., Zone 1, same basis.	lb.	.10¾-	—
Zone 2, same basis	lb.	.11¼-	—
Zone 3, same basis	lb.	.11¾-	—
Zone 4, same basis	lb.	.11¾-	—
tanks, Zone 1, works, same basis.	lb.	.09¾-	—
Zone 2, same basis	lb.	.10¼-	—
Zone 3, same basis	lb.	.10¾-	—

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- TEXTILE FINISHING OILS
- WAXES
- LEATHER

Remember!
WHEN IT SMELLS BETTER... IT SELLS BETTER

MANUFACTURERS OF AROMATIC CHEMICALS, ESSENTIAL OILS, PERFUMES AND FLAVORS

Perchloroethylene, zone 4, same basis..lb. .10¾- —

Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.....lb. 1.05 - 1.10
Petrolatum, tech., dark, bbls., c.l., Group 3..lb. .021 - —
Pennsylvania refy.....lb. .045 - —
golden topaz, bbls., c.l.....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l. .....lb. .028 - —
USP, amber, non-ret. dms., c.l. lb. .05 - —
Pennsylvania refy.....lb. .04875- —
l.c.l. .....lb. .06 - —
California .....lb. .08 - —
extra, amber, dms., c.l.....lb. .05¼- —
l.c.l. .....lb. .06¼- —
cream, c.l., dms.....lb. .07 - —
l.c.l. .....lb. .08½- —
white, lily, dms., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- —
snow, dms., c.l.....lb. .08¼- —
Pennsylvania refy.....lb. .08125- —
l.c.l. .....lb. .09¾- —
California .....lb. .1175- —
soft, dms., c.l.....lb. .07¼- —
Pennsylvania refy.....lb. .07125- —
l.c.l. .....lb. .08¼- —
California .....lb. .1075- —
yellow, soft, dms., c.l.....lb. .05½- —
Pennsylvania refy.....lb. .04875- —
l.c.l. .....lb. .06½- —
California .....lb. .08 - —
Petroleum, crude, bulk, at wells, California, heavy grades.. bbl. 1.53 - 2.14
Illinois .....bbl. 1.95 - 2.07
Kentucky, Union County. bbl. 1.97 - 2.02
Louisiana-Arkansas ...bbl. 1.63 - 2.09
Montana .....bbl. 1.55 - 1.95
Oklahoma-Kansas ....bbl. 1.53 - 1.95
Pennsylvania, lower field. bbl. 3.87 - 4.05
Upper field .....bbl. 1.86 - 3.40
Texas, East.....bbl. 1.65 - 1.95
Gulf coast .....bbl. 1.76 - 2.06
North, North-Central.bbl. 1.53 - 1.95
Panhandle .....bbl. 1.53 - 1.95
West .....bbl. 1.40 - 1.82
Wyoming .....bbl. 1.55 - 1.95
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E. gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., same basis....gal. .29 - —
35°-60° C, 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., same basis...gal. .29 - —
40°-75° C, 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., same basis.....gal. .29 - —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2. gal. .06125- —
No. 3 .....gal. .06 - —
Bayonne, No. 2, tanks.. gal. .068 - —
California, heavy.....bbl. 1.50 - 1.55
light .....bbl. 1.70 - 1.75
diesel .....gal. .0745- .0795
Group 3, No. 1.....gal. .06375- .06625
No. 2, straw.....gal. .06125- .06375
No. 3 .....gal. .06 - .06125
Oklahoma, No. 1, p.w.gal. .06125- .07
No. 1, straw.....gal. .06625- —
No. 2, straw.....gal. .06125- .065
No. 3 .....gal. .06125- —
No. 6.....bbl. 1.64 - 2.50
range .....gal. .065 - .0675
Pennsylvania, No. 1....lb. .0775- —
No. 2 .....gal. .07625- .077
No. 3 .....gal. .077 - —
36-40 gravity.....gal. .075 - —
Bunker C (No. 6), tanks, Albany, N. Y..bbl. 2.42 - —
Baltimore, Md.....bbl. 2.22 - 2.32
Boston, Mass. .....bbl. 2.26½- 2.36½
Charleston, S. C.....bbl. 2.13 - —
Jacksonville, Fla. .....bbl. 2.08 - 2.18
New York, N. Y.....bbl. 2.22 - 2.32
Norfolk, Va. .....bbl. 2.18 - 2.28
Philadelphia, Pa. .....bbl. 2.22 - 2.27
Portland, Me. .....bbl. 2.26½- 2.36½
Providence, R. I.....bbl. 2.23½- —
Savannah, Ga. .....bbl. 2.13 - 2.23
Lacquer, diluent, California, 100 l.b.n., 200 c.p., tanks, dlvd. Los Angeles..gal. .118 - —
Seattle, Wash. .....gal. .128 - —
East Coast, N. J., N. Y., tanks, refinery..gal. .13 - —
Group 3, benzol type, tanks, gal. .09¾- —
toluol type, tanks.....gal. .09¾- —
San Francisco .....gal. .11½- —
Portland, Ore. .....gal. .128 - —
Mineral spirits, California, San Francisco, 170-250 b.r., tanks..gal. .123 - —
205-290 b.r., tanks..gal. .123 - —
244-362 b.r., tanks..gal. .128 - —
307-360 b.r., tanks..gal. .113 - —
312-402 b.r., tanks..gal. .113 - —
362-458 b.r., tanks..gal. .113 - —
East Coast, N. J., N. Y., tanks, refinery..gal. .12½- —
Group 3, tanks, refinery.gal. .07¾- .08½
Gulf coast, tanks.....gal. .07¾- —
tankwagon, Baltimore....gal. .15 - —
Boston .....gal. .13½- —
Buffalo .....gal. .14 - —
Camden, N. J.....gal. .12½- —
Chicago .....gal. .159 - —
Detroit .....gal. .182 - —
Kansas City, Mo.....gal. .15½- —
Lancaster, Pa.....gal. .13½- —
Newark .....gal. .12½- —
New York.....gal. .12½- —
Philadelphia .....gal. .12½- —
Pittsburgh .....gal. .14 - —
Providence .....gal. .14 - —
Rochester .....gal. .15 - —
St. Louis.....gal. .161 - —
Syracuse .....gal. .16 - —
Washington, D. C.....gal. .15 - —
Naphtha, cleaners, California, tanks, San Francisco.gal. .123 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11 - —
Group 3, tanks, refinery.gal. .08¾- .09½
tankwagon, Newark....gal. .08½- —
Chicago .....gal. .14¼- —
Detroit .....gal. .15½- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal .1470- —
high flash, 140° F, Group 3 refinery, tanks..gal. .12 - .12½
high-solvency, No. A, tanks, Cartaret, N. J..gal. .18 - —
No. B, tanks, same basis. gal. .19½- —
No. D-F, tanks, same basis. gal. .20 - —
No. A-80, tanks, Carteret, N. J..gal. .20 - —
No. B-90, tanks, Carteret, N. J..gal. .21½- —
Petroleum naphtha, high solvency, No. F-80, tanks, Carteret, N. J..gal. .24 - —
V.M.&P., at refinery, 46.5, 254 i.b.p., 380 e.p., tanks, El Segundo..gal. .12 - —
Richmond .....gal. .12½- —
Portland, Ore., Seattle, Wash..gal. .12 - —
California, 64-77, 190 i.b.p., 310 e.p., Los Angeles.. gal. .11 - —
San Francisco.....gal. .11½- —
Portland, Seattle..gal. .12 - —
E. Coast, N. J., N. Y., tanks, refinery..gal. .12½- —
Group 3, tanks.....gal. .08¾- .09¼
Gulf Coast (dlvd. New Orleans), tanks..gal. .10 - —
tankwagon, Boston.....gal. .145 - —
Chicago .....gal. .162 - —
Detroit .....gal. .174 - —
Milwaukee .....gal. .178 - —
Minneapolis .....gal. .176 - —
Newark .....gal. .14 - —
New York.....gal. .135 - —
Philadelphia .....gal. .14 - —
Pittsburgh .....gal. .15 - —
St. Louis.....gal. .171 - —
solvent, rubber, at refinery, California, San Francisco, tanks..gal. .11½- —
East Coast, N. J., N. Y., tanks..gal. .12¼- —
Group 3, tanks.....gal. .08625- .09125
Stoddard (C.S. 8-38), at refinery:—
California (San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11½- —
Group 3, tanks..gal. .08¾- .08¾
Pennsylvania, western, tanks..gal. .09 - .09¼
tankwagons, Boston.....gal. .13 - —
Chicago .....gal. .14½- —
Detroit .....gal. .16½- —
Milwaukee .....gal. .15½- —
Minneapolis .....gal. .1540- —
Newark .....gal. .13½- —
New York..gal. .12½- —
Philadelphia .....gal. .12½- —
Pittsburgh .....gal. .13 - —
St. Louis .....gal. .14½- —
Syracuse .....gal. .15½- —
Sulphonates, 68% sulphonic content, ret. dms., c.l., wks. lb. .09¾- —
l.c.l., works .....lb. .09¾- .10¾
50% sulphonic content, ret. dms., c.l., works.lb. .09¾- —
l.c.l., works .....lb. .09¾- .10¾
tanks, works .....lb. .09¼- —
Phenobarbital, dms., 100 lbs...lb. 3.50 - 4.50
Phenol, 90-92% (cresol, 8-10%), dms., c.l., wks., frt. equald. lb. .11¾- .12¼
l.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .10½- .11½
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .11½- .12
l.c.l., same basis.....lb. .12½- .12¾
tanks, same basis.....lb. .11 - —
USP, dms., c.l., same basis.lb. .11¼- .13
l.c.l., same basis....lb. .12 - .13¼
tanks, same basis.....lb. .10¼- .11¾
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots .....lb. .87 - .92
Yellow, flb. dms., 2,000 lbs..lb. .80 - —
smaller lots .....lb. .82 - .87
Phenothiazin, NF, flb. dms., ton lots or more, works..lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde solution, 50%, bots..lb. 2.35 - 2.70
pure, bots. .....lb. 4.00 - 4.40
Phenylethyl acetate, dms.....lb. 2.40 - 3.65
Phenylethylphenyl acetate, bots. lb. 5.15 - 7.50
Phenylhydrazin base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, flb. dms..lb.13.75 -14.75
tech., flb. dms.....lb.12.00 -12.55
Phosgene, 150-lb. cyls., works..lb. .20½- .35
10-lb. cyls., works.....lb. 1.00 - —
Phosphate, defluorinated (see under D.).
Phosphate rock, Fla., land pebble, unground, run-of-mine, washed, dried, 68-66%, b.p.l., bulk, car at mine, c.l..... long ton. 2.94 - 3.00
70%-68%, same basis. long ton. 3.34 - 3.49
72%-70%, b.p.l., same basis..long ton. 3.94 - 4.00
75%-74%, b.p.l., same basis..long ton. 4.94 - 5.09
77%-76%, b.p.l., same basis..long ton. 5.94 - 6.09

Prices for Florida phosphate are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble 50c. per long ton higher than above quotations.

finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.... short ton. 4.65 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 4.85 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short-ton. 5.20 - —
Tennessee, brown, unground, run-of-mine, 70-68%, b.p.l., 5½% i. & a., same basis. lon ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
29% P_2O_5, same basis..... long ton. 5.15 - —
30% P_2O_5, same basis.... long ton. 5.35 - —
finely ground, 31% P_2O_5, same basis..short ton. 5.45 - —
32% P_2O_5, same basis.... short ton. 5.70 - —
33% P_2O_5, same basis.... short ton. 6.20 - —
Phosphorus, red amorphous, cs. lb. .33 - .35
tins, export .....lb. .35 - —
yellow, cns. .....lb. .25 - .27
dms., c.l. .....lb. .22 - —
Oxychloride, dms., c.l.....lb. .10½- —
Pentoxide, dms., c.l., works.. lb. .12 - —
l.c.l., works .....lb. .13 - .14
Sesquisulphide, tins, cs.....lb. .26 - .27
Trichloride, dms. c.l.....lb. .10¼- —
l.c.l. .....lb. .12½- .15
Phthalamide, bbls., works....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichl leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots .....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials...oz. 6.50 - 7.50
Nitrate, bots., vials.....oz. 6.25 - 7.00
Pimento, Jamaica, bgs.....lb. .23½- .24
Pinetar, retort, dms., extra, c.l., works, South..gal. .36¼- —
l.c.l., works, dms., extra. gal. .38¼- —
l.c.l., whse., N.Y.C., dms., extra..gal. .47¾- —
tanks, works, South.....gal. .30¼- —
Pinkroot, bls. .....lb. 1.10 - 1.15
Piperazine hexahydrate, bots..lb.13.00 -13.50
Pitch, burgundy (see B).
Coaltar, 150° m.p., bbls., c.l., works..ton.24.25 - —
l.c.l., works.....ton.27.25 - —
Cottonseed, dms., works....lb. .10½- .10¾
Hardwood, paper bgs., works.. lb. .04 - —
Linseed, dms.....lb. No prices
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 7.85 - —
stands, 200 lbs.....stand.15.70 - —
Soybean, dms., works.....lb. .10¼- .10½
Plaster of paris (see Gypsum).
Podophyllin, dms. .....lb.13.50 -13.75
Pokeroot, bls. .....lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .31½- —
20,000 lbs., frt. alld.....lb. .32½- —
smaller lots, frt. alld....lb. .33½- .35½
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root, bark, bgs..lb. .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Argentine, bgs.....lb. .19½- .20
Danish, bgs. .....lb. .21 - .21½
Dutch .....lb. .23 - .23½
Turkish, bgs.....lb. .21 Nom.
Potash abietate .....lb. .08 - —
Acetate, USP, dms.....lb. .32 - .34
Bicarbonate, USP, gran., dms. lb. .20 - .22
powd., dms. .....lb. .22 - .24
Bichromate, bgs., c.l., works.. lb. .10¾- —
l.c.l., works.....lb. .10¾- .11¼
Potash bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l., works. ton.200.00 - —
ton lots, works.....ton.218.50 - —
less ton lots, works.....ton.223.50 - —
Bromide, USP, cryst., gran., 500-lb. bbls., dms..lb. .25 - .26
Carbonate, calcined, bbls., c.l., works..lb. .07¼- —
l.c.l., same basis.....lb. .08 - —
hydrated, 83-85%, bbls., c.l., works..lb. .05¾- —
dms., l.c.l., same basis..lb. .06¼- —
USP, gran., bbls., dms....lb. .14 - .19
powd., bbls., dms.....lb. .20 - .25
Caustic, low-chloride, 99% basis, flake, dms., c.l., works. 100 lbs. 9.50 - —
l.c.l., works....100 lbs.19.25 - —
liquid, dms., c.l., works..... 100 lbs. 8.75 - —
l.c.l., works....100 lbs. 9.50 - —
tanks, works.....100 lbs. 8.25 - —
solid .....100 lbs. 8.75 - —
l.c.l., works....100 lbs. 9.50 - —
regular, flake, 88-92%, dms., c.l., works..lb. .07½- —
l.c.l., works.....lb. .08¼- —
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .0337½- —
l.c.l., same basis.....lb. .03¾- —
tanks, same basis.....lb. .03½- —
solid, 88-92%, dms., c.l., works..lb. .06¾- —
l.c.l. .....lb. .07½- —
Chromate, tech., bgs.....lb. .25 - .29
Chlorate, cryst., kgs., c.l., wks. lb. .08½- —
l.c.l., works.....lb. .09¾- —
powd., dms., kgs., c.l., works. lb. .09 - —
l.c.l., works.....lb. .09¾- —
export, 1 to 10 tons, kgs., ex whse..lb. .12 - —
Chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms. lb. .35½- .40½

Potash citrate, USP, powd., 3c. per lb. higher.

Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cbys..lb. 2.30 - —
Guaiacol sulphonate, NF, dms. lb. 1.80 - 1.85
Hydroxide, USP, sticks, dom..lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodide, dms.....lb. 1.75 - 1.78
Manure salt, 22% K_2O, Carlsbad, N. M..unit-ton. .20 - —
25% K_2O, same basis.unit-ton. .21 - —
Metabisulphite, gran., bbls...lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M..unit ton. .37½- —
Trona, Cal. ....unit ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms..lb. .28 - .34
Perchlorate, kgs., works....lb. .10 - .11
Permanganate, tech., dms., works..lb. .20¾- .21¼
USP, dms., works.....lb. .22½- .23
Persulphate, dms., c.l., works. lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Phosphate, tetrabasic, bbls., works..lb. .13 - .13½
Prussiate, red, kgs.....lb. .55 - .58
Yellow, bbls.....lb. .19 - —
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works... 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, cryst.....lb. .30½- .33½
powd., bbls. .....lb. .14½- .17
tech., dom., bulk* basis 90-95% K_2O_4 min. 90%, ex vessel Atlantic or Gulf ports.. ton.36.25 - —
West coast potash ports, same basis..ton.39.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Triocyanate (see Potash sulphocyanide).
Xanthate, dms., c.l..... lb. .12 - —
Potash-magnesia sulphate, bulk, min., 40% K_2SO_4 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .45 - .48
Potash-titanium oxalate, bbls., dms..lb. .50 - .55
Prickly ash bark, bls.....lb. .33 - .34
Berries, bgs. .....lb. .20 - .21
Prince's pine herb, bls.....lb. .50 - .55
Procaine hydrochloride, cns., 100-lb. lots..lb. 5.00 - —
Propane, industrial grade, tanks, Group 3..gal. .03½- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .60 - .65
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots .....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots .....lb. .03¾- .04¼
Chi., ton lots .....lb. .04½- —
Italian, silk-screen, fine, ton lots, bgs..lb. .04 - —
coarse, same basis.....lb. .05½- —
sun-dried, fine, ton lots, bgs. lb. .03 - —
coarse, same basis.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .27 - .29
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.85 - 4.55
linseed oil, raw, dms...100 lbs. 8.50 - 9.90
refined, dms. .....100 lbs.12.00 -13.20
standard, dms. .....100 lbs. 7.15 - 8.05
Pyrethrum, concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 6.65 - —
liquid, odorless base, dms., works..gal. 6.75 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal.10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.90
refd., 2°, ret. dms., same basis. lb. .55 - .55½
Pyridoxin hydrochloride, 100-gram lots..kilo.650.00 - —
Pyrites, Spanish, c.i.f. Atl. ports. long-ton 8.00 -10.00
Pyronate, dms., c.l., dlvd. E. of Miss..gal. .70 - —
l.c.l., works .....gal. .70 - —
tanks, dlvd., E. of Miss....gal. .60 - —
Pyrenate prices W. of Miss., 3c. per gal. higher.
Pyrocatechin (see Catechol).
Pyrophylite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis.....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis....ton.11.50 - —
Pyrophylite in paper bags., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., wks.lb. .14 - —
white, China, ivory, cs., wks. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works...lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .07 - .09
Quebracho extract, solid, 63% tannin, bgs., c.l., ex dock, in bond..lb. .09¼- .09½
clarified, 64% tannin, bgs., c.l., same basis..lb. No prices
35% tannin, bbls., works. lb. .07 - —
tanks, works .....lb. No prices
extract, ground, 70% tannin, bgs., c.l..lb. .14¾- —
powder, bgs., c.l.....lb. .13½- —

Quebracho extract prices based on $28 freight and $1.00 insurance per long ton.

Queen of the meadow root, bgs. lb. .12 - .13
Quercitron crystals, bbls. ....lb. .32 - —
Extract, No. 1, bbls.....lb. .14 - —
solid, bxs. .....lb. .27 - —
Quicksilver, flasks (76 lbs. net) flask.84.00 -85.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine, NF V, cryst., cns.oz. No stocks
powd., prec.p., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine, NF, cns., 100 ozs....oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Citrate, cns., 100 ozs .....oz. No stocks
Dihydrobromide, cns., 50 ozs. oz. No stocks
Ethylcarbonate, NF, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs..oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .80¼- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80¼-
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride, USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .32 - .50

R

R salt, dry, bbls.....lb. .61 - .72
paste, dms. .....lb. .57 - —
Raspberries, dried, bls.....lb. 2.00 - 2.10
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.45 - 2.05

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.25 - —
light shade, bbls., same basis..lb. 1.10 - —
maroon, bbls., same basis. lb. 1.35 - 1.45

Red, cadmium, lithopone, medium shade, bbls., same basis. lb. 1.20 - —
medium-light shade, bbls., same basis..lb. 1.15 - —
Orange-red, bbls., same basis..lb. 1.05 - —

Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40, dms., bulk, works..lb. 5.50 - 5.65
smaller lots, same basis..lb. 6.10 - 6.15
Crocus martis (see Red, purple, oxide).

Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - .92
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y..lb. .11¼- —
80-85%, bgs., same basis.lb. .09½- —
Imp., English, all shades..lb. .16 - —
Iron oxide, pure, bbls.....lb. .10 - .10¼
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., and E. St. Louis..lb. .06¾- —
80% copperas oxide, bbls., same basis...lb. .085 - .094
Lacquer, maroon, bbls., works. lb. 1.35 - 1.50
Lake C toner, alizarin, bbls., works..lb. 1.06 - —
Lithol toner, alizarin, lake, bbls., works..lb. .70 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works.....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.30 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - .43
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —

Maroon, in smaller pkgs., 5c. per lb. higher.

Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.30 - —
smaller lots, works...lb. 2.32 - —
Metallic, bbls., works.....lb. .92 - —
Oxide (see Red, iron oxide).
Para toner, chlorinated, kgs.lb. .97 - —
concent., alizarin lake, kgs., works..lb. .80 - —
Persian (see Orange).

Phloxin toner (see Red, eosin toner).

Phosphotungsic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.35 - —
Scarlet ink toner, kgs., works. lb. .55 Nom
Spanish oxide, grade 1, c.l., bbls..lb. .05¾- .06
Toluidin toner, alizarin lake, kgs., works..lb. 1.25 - —
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 15%, bgs., works...lb. .0300- —
20%, bgs., works.....lb. .0310- —
25%, bgs., works.....lb. .0340- —
30%, bgs., works.....lb. .0365- —
35%, bgs., works.....lb. .0395- —
40%, bgs., works.....lb. .0420 —
Vermillion, Amer., bbls.....lb. .22¼- .25
Quicksilver, bbls.....lb. 2.50 - 2.60
Red precipitate, NF, powd., fib. dms..lb 2.48 - 2.50
Red saunders wood, grd., bbls.lb .35 - —
Resorcinol tech., dms., works.lb. .68 - —
USP, cryst., dms., works....lb. 1.70 - —
Rhatany root, bgs.....lb. .13 - .14
Rhubarb, whole, cs.....lb. .90 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .24 - .26
Rosemary flowers, bls.....lb. 1.55 - 1.60
Leaves, French, bls.....lb. .12 - .12½
Portuguese, bls.....lb. .07½- .08
Spanish, bls.....lb. .12 - .12½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B (resin), dms., c.l., works..100 lbs. 5.50 - —
FF, dms., c.l., works..100 lbs. 7.00 - —
G, H. I. dms., c.l., works.. 100 lbs. 8.10 - —
K, dms., c.l., works..100 lbs. 8.10 - —
M, dms., c.l., works..100 lbs. 8.10 - —
N, dms., c.l., works..100 lbs. 8.20 - —
WG, dms., c.l., works.100 lbs. 8.25 - —
WW, dms., c.l., works.100 lbs. 8.30 - —
X, dms., c.l., works..100 lbs. 8.40 - —
Rotenone, bbls., works.....lb.20.00 -24.00
extract, liq., dms., works..... per unit. 1.75 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.ton.36.00 - —
l.c.l., mines.....ton.45.00 - —
Rue, bls.....lb. .45 - .46

S

Sabadilla seed, powd., bbls...lb. .75 - .82
activated, ground, with lime, bbls..lb. .43 - .50
Saccharin, insoluble and soluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.50
Saffron, Mexican, bls.....lb. 1.55 - 1.60
Spanish, USP, tins.....lb.)7.00 -38.00
boxes.....15 ozs.35.00 -36.00
Safrol, cns.....lb. 1.10 - 1.45
Sage, Cyprus, good, bls.....lb. .16½- .17
futures, bls.....lb. .16 - .16½
Dalmatian, bls.....lb. .25 - .25½
Greek, fancy, bls.....lb. .21 - .21½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .14½- .15
Sago flour, bgs.....lb. .07 - .07½
Salicin, bots., 25 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. 1.00 - —
fib. dms.....lb. 1.02 - 1.08
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.17.50 - —
l.c.l., bgs.....ton.21.70 - —
vacuum, common, fine, bgs., c.l..ton.18.60 - —
l.c.l.....ton.25.10 - —
Saltcake, dom., bulk, works..ton.20.00 -26.00
Chrome (see Chrome cake).
Saltpeter, cryst., bbls., 10 tons. 100 lbs.12.40 - —
smaller lots, bbls....100 lbs.12.65 -12.90
gran., bbls., 20 tons.....100 lbs. 8.00 -
smaller lots.....100 lbs. 9.00 - 9.50
powd., bbls., 20 tons....100 lbs. 9.00 -
smaller lots.....100 lbs.10.00 -10.50
Saltpeter in bags is 25c. per 100 lbs less than in barrels; in kegs it is $1 more
Sanguinarine nitrate, bots....oz. 4.75 - 5.50
Santonin, cryst., powd., cns.kilo.175.00 -185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls...lb. .45 - .50
Honduras.....lb. .65 - .66
Mexican, bls.....lb. .57 - .60
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls.....lb. .65 - .70
Savory, French, bls.....lb. .21 Nom.
Saw palmetto berries, bgs....lb. .23 - .24
Scammony resin, lump, cns...lb. 1.80 - —
powd., cns.....lb. 1.85 - —
Scout, bgs.....lb. .13 - .14
Schaeffer's salt, bgs.....lb. .60 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .27¾- —
smaller lots.....lb. .28¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .28¼- —
smaller lots.....lb. .28¾- —
Selenium, pwd., cns., 10-lb. lots.. lb. 1.85 - —
cs., 1,000-lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.15 - 2.25
Senna leaf, Alex., half-leaf, bls. lb. .26 - .27
siftings, bgs.....lb. .23 - .24
Tinnevelly, No. 1, bls.....lb. .25 - .27
2 bls.....lb. .23 - .25
3, bls.....lb. .21 - .23
powd., bbls., bgs.....lb. .24 - .29
Pods, bls.....lb. .52 - .54
Serpentaria root, bls.....lb. No stocks
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .65 - —
refined, bbls., 1,500-lb. lots. lb. .73 - —

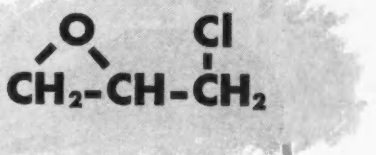
Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

Lemon, No. 1, bgs.....lb. .64 - .66
No. 2, bgs.....lb. .62 - .64
Superfine, 100 bgs.....lb. .60 - .61
TN, 100 bgs.....lb. .58 - .60

Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 320 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.30.00 - —
l.c.l., works.....ton.35.00 -38.00
99-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
hard-quarts, 99½%, 325 mesh, bgs., c.l., works..ton.15.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works.. ton 11.00 - —
l.c.l., works.....ton.16.00 - —
Tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .27
Silver, bullion.....oz. .70¾- —
Cyanide, cns., 100 ozs.....oz. .76½- —
Nitrate, 250-oz. bots., 2,500-oz. lots..oz. .49⅝- —
1,000-oz. lots.....oz. .49⅞- —
500-oz. lots.....oz. .50⅛- —
single 250-oz. lots.....oz. .50⅝- —
Neutralate, USP, bots., dms., 1,000-oz. lots..oz. .45 - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .40 - —
Simarubra bark, bls.....lb. .85 - .90
Skullcap, Eastern, bls.....lb. .85 Nom
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .44 - .45
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 - —
Sloe berries, bgs.....lb. .39 - .40
Smalt, black, cns.....lb. .06 - .06
Blue, cns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .62 - .65
Soapbark, bls.....lb. .24 - .25
crushed, bls., bbls.....lb. .32 - .33
cut, imp., bbls.....lb. .37 - .38
powd., bbls.....lb. .30 - .31
Soda acetate, anhyd., dms., divd. lb. .06½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., divd....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Alkylbenzene sulphate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works. 100 lbs. 7.00 - —
l.c.l.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., divd.....lb. .10 - .16½
Arsenate, dealers, dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13½- .13¾
Arsenite, grey, dms., dealers, c.l., works..lb. .10¾- —
l.c.l., works.....lb. .13¼- .13¾
Soda arsenite, gray ¾c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l. ... 100 lbs. 1.28 - —
l.c.l., divd., zone 1. 100 lbs. 2.63 - —
2 .....100 lbs. 2.78 - —
3 .....100 lbs. 3.13 - —
4 .....100 lbs. 3.73 - —
bbls., c.l., works, zone 1. 100 lbs. 1.68 - —
l.c.l., zone 1.....100 lbs. 3.03 - —
2 .....100 lbs. 3.18 - —
3 .....100 lbs. 3.53 - —
4 .....100 lbs. 4.13 - —
bulk, c.l., works 100 lbs. 1.08 - —

FROM SHELL CHEMICAL



PHYSICAL PROPERTIES OF PURE EPICHLOROHYDRIN

Spec. Grav. 20/4°C	1.1807
Refr. Index 20/D	1.43805
Boiling Pt. (760 mm)	116.11°C
Flash Pt. Open Cup	105°F

TYPICAL PROPERTIES OF COMMERCIAL PRODUCT

Purity	98% by wt.
Spec. Grav. 20/4°C	1.179-1.184
Refr. Index 20/D	1.4370-1.4390
Water	0.1% by wt.

AN INTERMEDIATE FOR THE INVENTIVE MIND

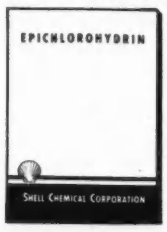
Epichlorohydrin

LOOKING for a compound that lends itself easily to new applications and improved processes?

Epichlorohydrin is extremely reactive and highly versatile. It can be used, for example, in the synthesis of numerous compounds having different combinations of the epoxide ring, chlorine atom, ether linkage, hydroxyl group and ester structure present in the same molecule.

Commercially available since our new Houston plant went on-stream, Epichlorohydrin already has been used successfully as an intermediate by manufacturers of *adhesives, dye stuffs, plasticizers, stabilizers, cosmetics and pharmaceuticals.*

Perhaps *you* have some ideas or product needs which could best be served by Epichlorohydrin.



Inquiries are invited from manufacturing and research chemists.

Suggested reactions with water, acids, alcohols, phenols, mercaptans, ammonia and amines are described in Technical Booklet SC: 46-3 (shown left). Write for it.

Among the many other products manufactured by Shell Chemical are: Allyl Alcohol, Allyl Chloride, Glycerol Dichlorohydrin, Acetone and Diacetone Alcohol.

SHELL CHEMICAL CORPORATION

100 Bush Street, San Francisco 6 · 500 Fifth Avenue, New York 18
Los Angeles · Houston · St. Louis · Chicago · Cleveland · Boston · Detroit

Soda ash, extra light, 58%, bgs., c.l..100 lbs. 1.30 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.65 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 3.15 - —
4 .....100 lbs. 3.75 - —
light, 58%, bgs., c.l., zone 1. 100 lbs. 1.20 - —
l.c.l., dlvd., Zone 1..... 100 lbs. 2.55 - —
2 .....100 lbs. 2.70 - —
3 .....100 lbs. 3.05 - —
4 .....100 lbs. 3.65 - —
bbls., c.l., works..100 lbs. 1.60 - —
l.c.l., dlvd., Zone 1.. 100 lbs. 2.95 - —
2 .....100 lbs. 3.10 - —
3 .....100 lbs. 3.45 - —
4 .....100 lbs. 4.05 - —
bulk, c.l. .....100 lbs. 1.00 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Soda ash sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more. lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.57½- 2.59
Bichromate, bgs., c.l., works.lb. .06¾- —
l.c.l., works.....lb. .08¾- .09¾
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .13 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.25
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
35°, bbls., c.l., works.. 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works.....lb. .25 - .30
Cacodylate, bots., dms.....lb. 8.50 -12.00
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.90 - 3.00
l.c.l., zone 1, dlvd..100 lbs. 4.25 - —
2, dlvd.....100 lbs. 4.40 - —
3, dlvd.....100 lbs. 4.75 - —
4, dlvd.....100 lbs. 5.35 - —
liquid, 50%, buyers' tanks, works, dry basis..100 lbs. 2.00 - —
sellers, tanks, works, dry basis..100 lbs. 2.10 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.10 - —

Soda caustic, solid, 76%, dms., c.l., works..100 lbs. 2.50 - 2.75
l.c.l., zone 1, dlvd..100 lbs. 3.85 - —
2, dlvd.....100 lbs. 4.00 - —
3, dlvd.....100 lbs. 4.35 - —
4. dlvd.....100 lbs. 4.95 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.
Caustic soda zones are same as soda ash.

Chlorate, cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chloride (see Salt).
Chromate, bgs., c.l., works, frt. equald..lb. .09½- —
l.c.l., works, frt. equald..lb. .09¾- .10
Soda chromate in bbls., ¼c. higher.
Citrate, USP VIII, bbls.....lb. .20 - —
dms. .....lb. .21 - .25
USP XIII, gran., bbls.....lb. .26 - —
dms. .....lb. .27 - .31
Soda citrate, USP XIII, powd., ½c. higher.
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., works, dlvd..lb. .09½- .10½
anhydrous, dms., works....lb. .11½- .13
Fluoride, white, 90%, bbls., c.l., works..lb. .09½- —
l.c.l., works.....lb. .09¾- —
95%, bbls., c.l., works....lb. .09¾- —
l.c.l. works.....lb. .10 - —
Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works...lb. .0605- .065
l.c.l. .....lb. .07 - .0795
Glutamate, monobasic, kgs..lb. 1.46 - 1.48

Soda glycerophosphate, NF, cryst., bbls..lb. 1.90 - —
powder, bbls.....lb. 1.95 - —
solution, 75%, cbys.....lb. 1.10 - —
50%, cbys.....lb. .85 - —
Hydrosulphite, dms., c.l., frt. alld..lb. .18½- .1
l.c.l., frt. alld.....lb. .19 - .2
Hydroxide, USP, sticks, dms.lb. .24 - .2
Hypophosphite, NF, cns.....lb. .67 - .7
Hyposulphite, cryst., bgs., c.l., works, frt. equald..... 100 lbs. 2.75 - —
l.c.l., same basis..100 lbs. 3.15 - —
pea, cryst., bgs., wks.100 lbs. 4.30 - 5.2
Soda, hyposulphite, crystals, in bbls., 40c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .1
Iodide, dms., jars.....lb. 2.72 - 2.8
Mandelate, dms. .....lb. 3.25 - 3.3
Metaborate, gran., bgs., c.l., works..ton.90.50 - —
ton lots, works.....ton.108.00 - —
less ton lots, works..ton.113.00 -
Ammonia metaborate in bbls., $20 per higher.

Metanilate, bgs. .....lb. .48 - —
Metasilicate, anhyd., bbls., c.l., works..100 lbs. 4.00 - —
gran., bgs., c.l., works..... 100 lbs. 3.00 - —
l.c.l., New York..100 lbs. 3.90 - 4.2
bbls., c.l., works...100 lbs. 3.40 - —
l.c.l., New York...100 lbs. 4.30 - 4.7
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .6
dms., works.....lb. .45 - .5
Molybdate, anhyd., kgs., works. lb. .47 - —
crystals, bgs., works.....lb. .60 - —
Monohydrate, bgs., c.l...100 lbs. 2.00 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .46 - .5
Nitrate, dom., crude, 100-lb. bgs., c.l., works..ton.35.50 - —
bulk, c.l., works.....ton.32.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. — - —
smaller lots.....100 lbs. — - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.41.50 - —
bulk, same basis.....ton.38.50 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast, ports....100 lbs. 8.00 - 8.0
l.c.l., dlvd.....100 lbs. 8.90 -11.0
Orthosilicate, anhyd., bbls., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis.100 lbs. 5.45 - 5.8
flake, hydrated, bbls., c.l., works..100 lbs. 4.00 - —
l.c.l., works .....100 lbs. 5.10 - 5.3
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .1
powd., bgs., c.l., works, frt. equald..lb. .16 - .1
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb. .19 - —
Perborate, NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works.. 100 lbs. 6.25 - —
l.c.l., works.....100 lbs. 6.75 - 7.0
cryst., bgs., c.l., works.. 100 lbs. 5.50 - —
l.c.l., works....100 lbs. 3.75 - 3.9
USP XII, dried, bbls., dms., works. lb. .159 - —
monobasic, anhydrous, bgs., works..100 lbs. 7.25 - 8.2
l.c.l., works.....100 lbs. 7.65 - 9.0
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 7.00 - —
l.c.l., same basis.100 lbs. 7.50 - 8.0
cryst., bgs., c.l., works.... 100 lbs. 3.50 - —
l.c.l., same basis.100 lbs. 3.90 - —
kgs., c.l., works..100 lbs. 4.20 - —
l.c.l., works....100 lbs. 4.40 - —
Soda phosphate in bbls. 40c. higher.
USP (see Sodium phosphate, dibasic).

Prussiate, yellow, bgs.....lb. .12 - —
bbls. .....lb. .12¾- —
Pyrophosphate, acid, bgs., works, frt. equald..100 lbs.10.00 -11.
ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs. 6.00 - —
Ricinoleate, tech., bbls.....lb. No stocks
Sal, bgs., c.l. .....100 lbs. 1.35 - —
works, c.l. .....100 lbs. 1.10 - —
bbls., c.l. .....100 lbs. 1.40 - —
works, c.l. .....100 lbs. 1.20 - —
Salicylate, dms. .....lb. .57 - .6
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd..100 lbs. 2.70 - —
2, dlvd. .....100 lbs. 2.85 - —
3, dlvd. .....100 lbs. 3.10 - —
4, dlvd. .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones a same as those for soda ash.
Sesquisilicate, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., dlvd. .....100 lbs. 5.15 - 5.3
Silicate, 40°, turbid., dms., c.l., works..100 lbs. .95 - 1.1
l.c.l., works.....100 lbs. 1.20 - 1.3
tanks, works .....ton.15.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.55 —
l.c.l., works.....100 lbs. 1.80 - 2.0
tanks, works .....ton.27.00 - —
Silicofluoride, bbls., c.l., works. lb. .07½- —
l.c.l., works .....lb. .08½- —
Stannate, dms., works, frt. alld. E..lb. .43½- .4
Stearate, bbls., works.....lb. .19 - .3
Sulphate, NF, dried, powd., bbls..lb. .10 - .1
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - 2.6
cryst. (see Glauber's salt).
USP, cryst., gran., bbls...lb. .07 - .0
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., dlvd. .....100 lbs. 3.65 - 3.9
solid, bbls., c.l., wks.100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.15 - 4.5
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 3.00 - —
bbls., c.l., works.....100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.40 - —
powd., bbls., c.l., works, 100 lbs. 5.25 - —
l.c.l., works .....100 lbs. 5.50 - 6.0
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .23 - .3
powd., bbls. .....lb. .30 - .3
Sulphocyanide, CP, dms....lb. .58 - .6

OUT OF THE FRYING PAN... into high-grade soap!

Mathieson
CHEMICALS
CAUSTIC SODA...SODA ASH...BICARBONATE OF SODA...LIQUID CHLORINE...CHLORINE DIOXIDE...AMMONIA, ANHYDROUS & AQUA...HTH PRODUCTS...FUSED ALKALI PRODUCTS...DRY ICE...CARBONIC GAS...SODIUM CHLORITE PRODUCTS...SODIUM METHYLATE

LOW-GRADE KITCHEN FATS are now being used to make high-grade soaps! It's another interesting application of the powerful oxidizing action of chlorine dioxide.

The key to the commercial usage of chlorine dioxide is Mathieson's sodium chlorite ($NaClO_2$). This stable chemical permits *controlled* production of chlorine dioxide by industry . . . by the soap industry for the upgrading of inferior fats and oils . . . by the paper industry for the bleaching of kraft, sulfite, soda, rag and flax pulp to high brightness with minimum loss of fiber strength . . . by the water works field for the removal of unpleasant tastes and odors. In the textile industry, sodium chlorite itself provides the safe bleaching of cottons and rayons to *extra* whiteness.

It will pay you to investigate the many industrial applications of this unique oxidizing agent. Write to The Mathieson Alkali Works (Inc.), 60 East 42nd Street, New York 17, N. Y.

Soda sulphohydrate, flake, 70-72%, dms., c.l..lb. .05 - —
l.c.l. .....lb. .05½ - —
liquid, 88%, tanks, basis 100%, works..lb. .04 - —
Sulphoxylate, formaldehyde, dms., c.l., works, frt. alld..lb. .17½ - —
Sulphoricinoleate, bbls. ....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Tripolyphosphate, bgs., works, frt. equald..lb. .07¼- .08½
Thiosulphate (see Soda hyposulphite).
Tungstate, tech., bgs.....lb. 1.45 - —
Soda-ammonia phosphate, bbls., works, frt. equald..lb. .23 - —
Soda - cinchophen, bots., dms., works..lb. 5.00 - 5.10
Soda-formaldehyde sulphoxalate, stand. cont., 125-250 lbs..lb. .19 - .23
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works. lb.10.50 -10.60
Soda-sulphapyridin, powd., bots., dms., works..lb. 5.00 - 5.15
Soda-sulphathiazole, USP, dms., works..lb. 3.00 - 3.15
Solvent naphtha, dms., wks..gal. tanks, E. of Omaha, frt. alld. gal. .28 - —
Minnequa, Colo.....gal. .23 - —
high-flash, dms., works....gal. .32 - —
tanks, frt. alld. E. of Omaha to 5c. to 3½c. per gal..gal. .27 - —
Sorbitol, com'l, dms., c.l., works. lb. .25½- —
l.c.l., works.....lb. .28 - .35
Soybean flour, industrial, bgs., c.l., divd. E. of Rockies..lb. .068 - —
truckloads, same basis..lb. .070 - —
small lots, same basis..lb. .072 - —
Protein, bgs., 40,000 lbs., works. lb. .25½- —
20,000 lbs., works.....lb. .25¾- —
smaller lots, works.....lb. .26 - .29½
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., tanks, works..lb. .01¾- —
pwd., super, bgs., c.l., wks.lb. .05¼- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .12 - .18
Starch, corn, pearl, bgs., c.l.... 100 lbs. 5.49 - —
l.c.l. .....100 lbs. 5.62 - —
Chicago, c.l. .....100 lbs. 5.02 - —
powd., bgs., c.l.....100 lbs. 5.58 - —
l.c.l. .....100 lbs. 5.73 - —
Chicago, c.l. .....100 lbs. 5.13 - —
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.
Potato, bgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, bgs.....lb. .0560- .0630
Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .45 - .50
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.00 - 1.10
Stramonium leaves, bgs.....lb. .20 - .25
Seed, bgs.....lb. .20 - .21
Streptomycin, hospitals.....gram. 4.00 - —
wholesalers .....gram. 3.20 - —
Strontium bromide, NF, cns., dms..cs. .50 - .53
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls... .....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works.ton.58.00 - —
Chromate, bbls., kgs., Phila..lb. .40 - .42
Iodide, jars, 25 lbs.....lb. 3.00 - 3.06
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works...lb. .07¾- —
l.c.l., works.....lb. .08¼- .08⅝
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.25 - 1.32
Sulphate, nat., air-floated, 325 mesh, 90%, bbls., works.ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs. lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.90 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .50 - —
tech., bbls., l.c.l., works..lb. .45 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works..lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.15
Sulphathiazole, USP, powd., dms., works..lb. 3.00 - 3.15
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long tons.17.50 - —
export .....long ton.20.00 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.15 - —
precipitated, USP, bbls., kgs.lb. .18 - .50
Refined, flour, extra fine, bgs., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.50 - 3.90
heavy, bags., c.l., works.... 100 lbs. 2.85 - —
l.c.l., works.....100 lbs. 3.20 - 3.60
light, bgs., c.l., works.... 100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.30 - 3.60
flowers, USP, bgs., c.l., works. 100 lbs. 3.30 - —
l.c.l., works.....100 lbs. 3.65 - —
Refined sulphur flowers in bbls., 35c. higher.
rock bbls., c.l., works..100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.80 - —
roll, bbls., c.l., works.100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.00 - 3.40
rubbermakers' bgs., c.l., wks. 100 lbs. 2.15 - 2.60
Sulphur chloride, 25-gal., dms., c.l., works..lb. .03 - .03½
l.c.l., works .....lb. .04 - .04½
10-gal. dms., c.l., works..lb. .07 - .07½
l.c.l., works.....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .085 - —
l.c.l. .....lb. .095 - —
multi-unit cars, works..lb. .06 - —
tanks, works .....lb. .044 - —
refrigeration, cyls., l.c.l., works..lb. — - —
Iodide, bots, jars.....lb. 3.90 - 4.11

Sumac Bark, grd., ex dock..ton.105.00 - —
Extract, No. 1, bbls.....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls. .....lb. .40 - —
stainless, bbls. .....lb. .11 - .13½
Leaves, ex dock.....ton.105.00 - —
Superphosphate, pulverized, run-of-pile under 22% a.p.a. Balto..unit-ton. .74 - —
Florida .....unit-ton. .56 - .59
others .....unit-ton. .57 - .89

Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charges from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 18, 19 or 20% a.p.a., ¼c. per unit-ton higher.

triple, 48% or more a.p.a., bulk, producing point, Florida..unit-ton. .71 - —
South Carolina..unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —

Prices on 48% triple superphosphate in other States and D.C., 71c. per unit ton plus frt. charges from E. Tampa, Fla.

Superphosphate, gran., 2c. per unit-ton higher than pulverized.

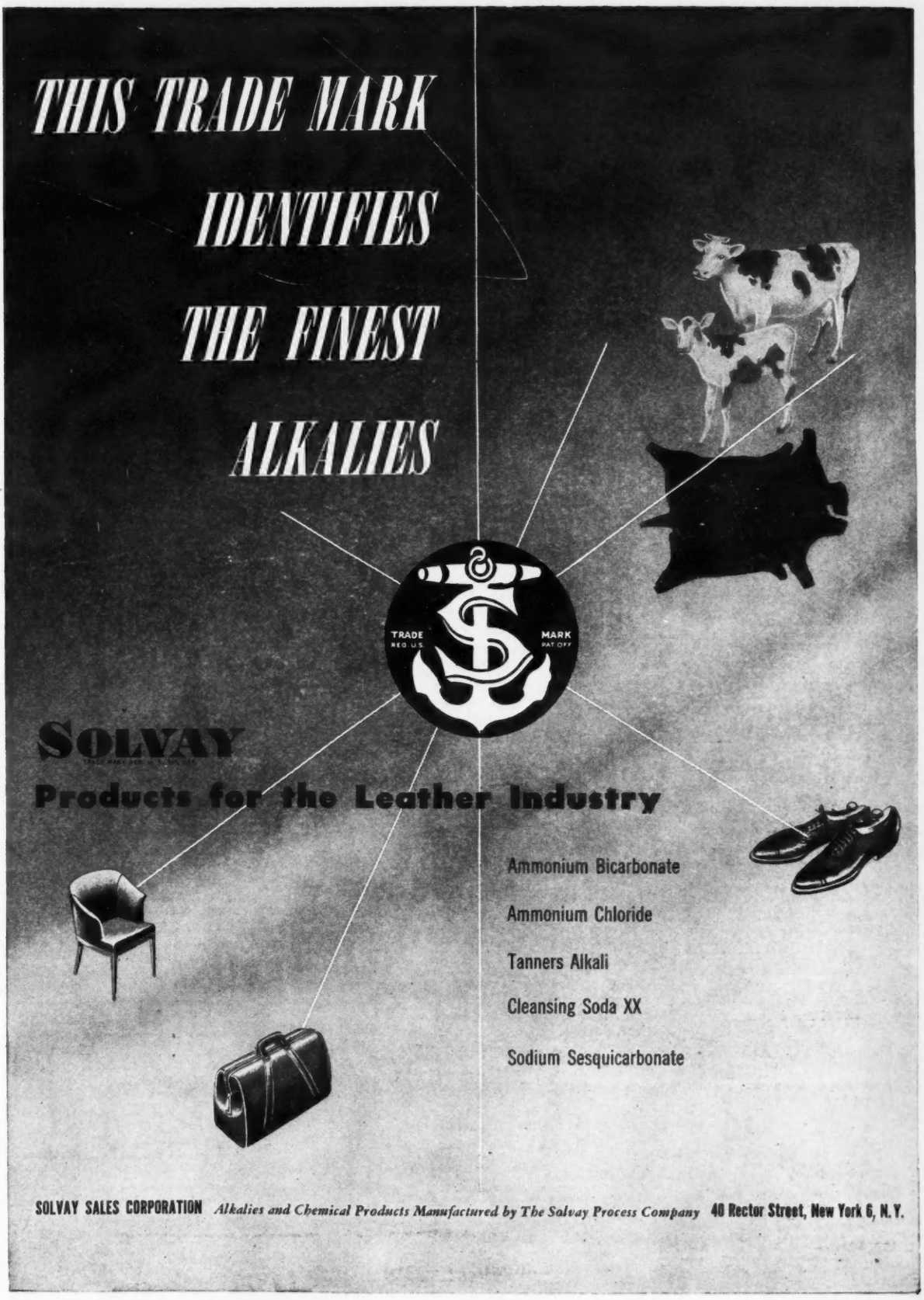
Sweet basil, bls.....lb. 1.10 - 1.25

T

Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.22.00 -30.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works .....ton.12.00 -14.50
Vermont, bgs., c.l., works, ton.14.00 - —
l.c.l., works .....ton.17.50 - —
New York, bgs., works..ton.18.00 - —

Talc, dom., ordinary, fibrous, grd., off-color, New York, bgs., c.l., works..ton.15.00 - —
325 mesh, 93-94%, bgs., c.l., works..ton.17.50 -18.00
99.85-99.95%, bgs., c.l., works..ton. No prices.
98-99.5%, bgs., c.l., works. ton. No prices
imp., Canada, bgs., c.l.....ton.35.00 -45.00
Tallow, inedible, extra, loose..lb. .12¾- —
fancy, loose .....lb. .13 - —
special, loose .....lb. .12¾- —
sulphonated, 25%, dms.....lb. .07¾- .08
50%, dms. .....lb. .10¾- .11
Tamarind, bbls. .....lb. .12 - .12½
Tankage, animal, feed grade, 9-11% ammon., bulk, unit-ton. 7.00 - —
Chicago .....unit-ton. 7.00 - —
fert. grade, 9% ammon., 10% b.p.l., bulk..unit-ton. No stocks.
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. No stocks.
Tansy leaves, bls.....lb. .15 - .16
Tapioca flour, Brazilian, bgs..lb. .05¾- .10
Java, bgs. .....lb. No stocks.
Tar acid, oil, 15-18%, ret. dms., c.l., works..gal. .35 - —
l.c.l., works .....gal. .38 - —
25%, dms., c.l., works..gal. .41 - —
l.c.l., works.....gal. .44 - —
Tar, pine (see Pinetar).
Tara pods, c.l., ex dock U. S. ports..long ton. No prices.
powd., c.l., same basis..long ton.225.00 - —
Tarragon herb, bgs.....lb. .56 - .60
Leaves, bgs. .....lb. 1.20 - 1.25
Tartar emetic, tech., gran., or powd., bbls., kgs..lb. .41 - —
dms. .....lb. .41½- .44
USP, powd., bbls., dms., kgs. lb. .43 - .48

Terpin hydrate, com'l, bbls., c.l., lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms...lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South .....lb. .14 - —
tanks, South .....lb. .13 - —
pure, dms. .....lb. .43 - .56
extra, dms. .....lb. .52 - .71
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works .....lb. .20 - —
tanks, works .....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .80 - 1.10
prime, cns., dms.....lb. .70 - 1.08
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .26
tech. (see Perchlorocthylene).
Tetraethyl orthosilicate, dms., works..lb. .65 - —
Tetrapotassium phosphate (see Potash phosphate).
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb.20.00 - —
Theobromine, bots., kgs.....lb. 4.60 - 4.80
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thiouraoil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 3.00 - —
Thyme, French, bgs.....lb. .16 - .16⅛
futures, bgs. .....lb. .15½- .16
Spanish, bls.....lb. .11½- .12
Thymol, NF, cns.....lb. No prices
Iodide, NF, dms.....lb. 4.25 - —
Timbo root (see Cube root).



Tin crystals, bgs., bbls., works, lb. .55 - .60
Metal, lb. .80 - —
Bolivian, lb. .80 - —
Straits, lb. .80 - —
Oxide, bbls., lb. .82 - —
Tetrachloride, anhydr., dms., works, lb. No stocks
Titanium dioxide, anatase, chalk resistant, bgs., c.l., divd., lb. .16½- —
l.c.l., divd., lb. .17½- —
rutile, nonchalking, bgs., c.l., divd., E., lb. .18½- —
l.c.l., divd., lb. .19½- —
plain, bgs., c.l., divd., lb. .16½- —
l.c.l., divd., lb. .17½- —
Hydride, cns., works, lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., divd., lb. .06½- —
l.c.l., divd., lb. .07 - —
Calcium base, bgs., c.l., divd., lb. .06¼- —
l.c.l., divd., lb. .06¾- —
Calcium-rutile base, bgs., c.l., divd., lb. .06¼- —
l.c.l., divd., lb. .06¾- .06¾
Magnesium base, c.l., divd., lb. No prices
l.c.l., divd., lb. No prices

Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., divd., l.c.l., ex whse., ½c. higher.

Tetrachloride, CP, 55-gal. dms., works, lb. .57 - —
smaller pkgs., works, lb. .65 - 1.22
technical, 55-gal. dms., works, lb. .82 - —
smaller pkgs., works, lb. .40 - 1.00
Tolu balsam, cns., lb. 3.45 - 3.65
Toluol (toluene) 2°, indust., ret. dms., works, gal. .28 - —
tanks, E. of Omaha, frt. alld., gal. .23 - —
West Minnequa, Colo., gal. .23 - —

Prices on toluol from petroleum, tanks delivered (maximum freight allowance in parentheses) are:—Ark., 24c. (2¾c.); Chicago, 23c. (2¾c.); Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 9/10c.); La., 23c.; N. J., 23c.; N. Y., 23c.; N. C., 25c. (5c.); Pa., 23c. (2¾c.); S. C. 25c. (5c.); Tenn., 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.).

1°, nitration, ret. dms., works, gal. .28 - —
tanks, E. of Omaha, frt. alld., gal. .25 - —
West Minnequa, Colo., gal. .23 - —
Toluene (see Toluol).
Toluidin base, distilled, kgs., lb. 1.00 - —
Tonga, 50% bark and vine, bbls., lb. .90 - .91
Tonka beans, Angostura, cks., lb. 1.70 - 1.80
Brazilian, Surinam, cs., lb. .85 - .90
Totaquine, USP XII, 100-oz lots, oz. .52 - —
Triacetin, dms., works, lb. .26 - —
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l., lb. 1.01 - —
Tributyl citrate, dms., lb. .41 - .49
smaller pkgs., lb. .52 - —
Phosphate, dms., l.c.l., frt. alld. E. of Rockies, lb. .72 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l., works, lb. .81 - —
Trichlorobenzene dms., c.l., wks., lb. .11 - —
l.c.l., frt. alld., lb. .12 - —
Trichloroethane, dms., c.l., works, lb. .15 - —
l.c.l., works, lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld., lb. .08 - —
Zone 2, frt. alld., lb. .08¼- —
Zone 3, frt. alld., lb. .09 - —
Zone 4, ex whse., lb. .09 - —

Trichloroethylene, l.c.l. prices ½c. higher Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio., Pa., R. I., Tenn., Vt., Va., W. V., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, coaltar base, dms., c.l., divd., lb. .33 - —
l.c.l., divd., lb. .33½- —
tanks, divd., lb. .32 - —
petroleum base, dms., c.l., divd., lb. .37 - —
l.c.l., same basis, lb. .37½- —
tanks, same basis, lb. .36 - —
Triethanolamine, dms., c.l., frt. alld. in E., lb. 19½- —
l.c.l., same basis, lb. 20½- —
tanks, same basis, lb. .18½- —
Triethyl phosphate, cns., lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%, lb. .34 - —
l.c.l., works, basis 100%, lb. .36 - —
tanks, works, basis 100%, lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E., lb. .18½- —
l.c.l., same basis, lb. .19½- —
tanks, same basis, lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis, lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis, lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. alld., lb. .26 - —
l.c.l., same basis, lb. .27 - —
Tripoli, air-floated, bgs., c.l., works, ton. 21.50 - —
double-grd., bgs., c.l., works, ton. 17.50 - —
once-grd., bgs., c.l., works, ton. 16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99.9+%, dms., works, lb. 2.85 Nom.
Oxide kgs., same basis, lb. 4.75 Nom.
Turmeric root, Alleppey, bls., futures, lb. .20½- .21
powd., bbls., lb. .27 - .28
Haitian, bls., lb. .15½- .1.
Jamaica, futures, bls., lb. .15 - 15¼
Madras, bgs., lb. .17½- .18
Turpentine, gum (see Naval Stores, Protective Coatings market).
wood, d.d., dms. extra, c.l., works, South., gal. .61 - —
l.c.l., same basis, gal. .62 - —
tanks, wks., South, gal. .55 - —
steam-dist., l.c.l., dms., incl., East., gal. .86 - —
tanks, South, gal. .65 - —
Sulphate, ret. dms., East., gal. .70 - .75

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs., lb. 2.55 - —
yellow, kgs., lb. 1.65 - —
Urea, dom., 40% N., bgs., c.l., works or ship. pts., ton. 73.00 - —
l.c.l., ship. pts., ton. 75.50 - 80.50
fertilizer comp., 42% N., bulk c.l., works or Atlantic or Gulf ports., ton. 57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3, ton. 116.80 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., ton. 59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3, ton. 112.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls., lb. .15 - .16

V

Valerian root, Belgian, NF, bls., lb. .56 - .58
Indian, bls., lb. .40 - .41
Valonia, beards, bgs., ex dock, ton. 68.00 -70.00
Cups, bgs., ex dock, ton. 55.00 -56.00
Extract, powder, bgs., ex dock, lb. .11825- —
Vanadium pentoxide, CP, bgs., cns, works, lb. 7.00 - —
tech., dms., works, lb. 1.10 - —
Vanilla beans, Bourbon, tins, lb. 7.75 - 8.50
Mexican, cuts, tins, lb. 9.50 -10.00
whole, tins, lb. 10.50 11.00
Tahiti, tins, lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs. or more, lb. 4.50 - —
smaller lots, tins, lb. 4.55 - 4.65
ex guaicol, tins, 25 lbs. or more, lb. 3.00 - —
smaller lots tins, lb. 3.05 - 3.15
ex lignin, tins, 25 lbs. or more, lb. 3.00 - —
smaller lots tins, lb. 3.05 - 3.15
Venice turpentine, artif., cns., lb. .24 - .25
Verdigris, bbls., bgs., lb. .22 - .28
Vinyl acetate, cbys., works, lb. .25 - —
dms., c.l. works, lb. .15½- —
l.c.l. works, lb. .16½- —
tanks, works, lb. .14 - —
Ether, bots., 75 c.c., less 20% and 2½%, bot. 1.50 - —
50 c.c., same basis, bot. 1.05 - —
25 c.c., same basis, bot. 65 - —
Trichloride (see Trichloroethane)
Viosterol, bots., 100 million USP units, mil. units .04 - —
1 billion USP units, mil. units .05 - —
100 million USP units, mil. units .07 - —
Vinylpyridin, ret. dms., works, lb. 1.50 - —
Vitamin A (see Oils, codliver, fishliver)
A concentrate, dms., works, mill. units .40 - .45
B (see Thiamine hydrochloride)
B_2 (see Riboflavin)
B complex, natural (see Rice Bran and Yeast).
B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver, and fishliver, calciferol, and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo, root bark, bls., lb. 1.30 - 1.35
tree bark, bls., lb. .45 - .50
Wattle bark, merchantable bags, f.a.s., ton. 64.00 -65.00
fair average, bgs., f.a.s., ton. 66.00 -67.00
extract, liquid, 33% tannin, bbls., works, lb. .06 - .07
tanks works, lb. .05½- .06¾
solid, E. Afr., 61% tannin, in bond, ex dock, lb. .06¾- —
S. Afr., 62% tannin, ex dock, in bond, lb. .07 - —
Wattle extract prices based on $20 freight and $1.00 insurance per long ton.
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., lb. No stocks.
Bees, bleached, USP, white, bricks, cakes, cs., lb. .70 - .71
slabs, bgs., lb. .69 - .70
crude, African, bgs., lb. .55 - .56
Western hemisphere, bgs., lb. .55 - .56
refined, yellow, bricks, bgs., lb. .62 - .63
slabs, bgs., lb. .61 - .62
Candelilla, crude, bgs., lb. .74 - .75
refined, bgs., lb. .77 - .78

Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, No. 3, bgs., ton lots., lb. .80 - .82
North Country, No. 2 bgs., ton lots., lb. .95 - 1.00
No. 3, bgs., ton lots., lb. .85 - .90
refined, bgs., ton lots., lb. .95 - 1.00
yellow, No. 1, bgs., ton lots, lb. 1.10 - 1.15
No. 2, bgs., ton lots., lb. 1.08 - 1.13

Powdered carnauba prices, same differentials as powdered candelilla.

Caresin, dom., 132°-136° m. p. bgs., lb. .16 - .16½
138°-140° m.p., bgs., lb. .18 - .19
158°-162° m.p., bgs., lb. 20¼- .21
Japan, bgs., lb. .95 - .99
Microcrystalline, 170°-175° A.S.T.M., amber, cns., 30 tons yearly contract, group 3 works, lb. .16 - —
smaller lots, same basis, lb. .16 - 17¼
170°-175°, black, ctns., 30 tons, same basis., lb. .14½- —
smaller lots, same basis, lb. .14½- .15½
white, ctns., 80 tons, same basis., lb. .27 - —
smaller lots, same basis., lb. .27 - .29
190°-195° m.p., ASTM, amber, ctns., 30 tons, same basis., lb. .18 - —
smaller lots, same basis, lb. .18 - .19
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis, lb. .16½- —
smaller ctns., same basis, lb. .16½- .17¼
white, ctns. 30 tons, same basis., lb. .31 - —
smaller lots, same basis, lb. .31 - .32
Montan, crude, bgs., lb. .50 - .52
Ouricury, crude, bgs., ton lots, lb. .53 - .55
refined, bgs., ton lots., lb. .60 - .61
Ozokerite, dom., 180-190 F., c.l., lb. .36 - —
182-184 F., bgs., c.l., lb. .31 - —
182-183 F., bgs., c.l., lb. .27 - —
Spermaceti blocks, cs., lb. .45 - .59
cakes, cs., lb. .46 - .5?
White lead (see Lead, white).
White, precipitate, powd., dms., 50 lbs. or more., lb. 2.27 - —
White pine bark, rossed, bls., lb. .21 - .25
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, works, St. Louis., ton. 9.50 - —
smaller lots, works, St. Louis., ton. 12.50 - —
wet-grd., air-floated, 325 mesh, 99½%, bgs., c.l., ton. 14.50 -27.50
200 mesh, 99½%, bgs., c.l., ton. No prices
90%, bgs., c.l., ton. No prices
water-floated, extra, gilders, bgs., c.l., ton. 14.50 -28.50
gilders, bgs., c.l., ton. No prices
putty grade, bgs., c.l., ton. 13.00 - —
surface treated, bgs., c.l., Ohio, works, ton. 30.00 - —
Paris, white, bgs., c.l., ton. 25.00 -31.00
l.c.l., ton. 25.00 -29.00
precipitated, bgs., c.l., ton. 14.00 -15.00
l.c.l., ton. 18.00 -20.00
Wild cherry bark, thick, bls., lb. .06 - .07
thin, natural, bgs., lb. .18 - .20
rossed, green, bls., lb. .24 - .26
Wild indigo root, bls., lb. .30 - .31
Witch hazel leaves, bls., lb. .26 - .27
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y., ton. No prices
60 mesh, same basis, ton. No prices
80 mesh, same basis, ton. No prices
100 mesh, same basis, ton. No prices

Woodflour, in bags, 25c. each extra, returnable.

Wormseed, American, bgs., lb. .17 - .18
Levant, bgs., lb. 4.25 - 4.30
Wormwood, bls., lb. .50 - .60

X

Xanthorrhiza, bls., lb. .28 - .30
Xylidin, mixed, dms., lb. .38 - .38¼
Xylene (see Xylol).
Xylol (xylene), indust., ret. dms., works, gal. .28 - —
tanks, E. of Omaha, frt. alld, gal. .23 - —
West Minnequa, Colo., gal. .23 - —

Prices on xylol from petroleum, tanks, delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 8/10c.); La., 23c.; N. E., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; N. C., 25c. (5c.); Pa., 23c. (2¾c.); S. C. 25c. (5c.) Tenn. 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.); the Chicago price is 20c. f.o.b. terminal.

10°, ret. dms., works, gal. .30 - —
tanks, E. of Omaha, frt. alld, gal. .25 - .26
5°, ret. dms., works, gal. .38 - —
tanks, E. of Omaha, frt. alld, gal. .33 - —
3°, ret. dms., works, gal. .43 - —
tanks, E. of Omaha, frt. alld, gal. .38 - —

Y

Yara yara, cryst., bots., cns., lb. 1.62 - 1.75
Yeast, brewer's dry, 50 B units, dms., lb. .35 - —
90 B units, dms., lb. .45 - —
200 B units, dms., lb. .50 - —
300 B units, dms., lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul., lb. .32 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, bbls., divd., lb. 1.60 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies., lb. 2.40 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies., lb. .85 - —

Los Angeles and San Francisco, ex whse. 1c. per lb. higher.

Chrome, CP, bbls., divd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts., lb. .24 - —

Chrome, CP, bbls., divd. Ala., Fla., Ga., La. (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex. 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Dutch, pink, bbls., lb. .09 - .11
Flame, bbls., same basis as chrome., lb. 1.43 - —
primrose, bbls., same basis, lb. 1.90 - —
Bethlehem, Easton, Pa., lb. .04¼- —
l.c.l., same basis, lb. .05 - —
synthetic, bbls., c.l., works, lb. .07½- —
l.c.l., works, lb. .07½- —
Mercury oxide, bbls., 1,000 lbs., lb. 2.23 - —
smaller lots, lb. 2.25 - —
Ocher, American, golden, bbls., works., lb. .04½- .06¾
Iron oxide, nat., bbls., c.l., yellow, bgs., works, lb. .02¾- .03¾
French type, bgs., c.l., lb. .03¾- —
l.c.l., lb. .04 - —
Persian orange (see O).
Zinc, bbls., same basis as chrome., lb. .17½- —
Navy spec. type bbls., contract., lb. .19 - —
Yellow dock root, bls., lb. .29 - .30
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls., lb. .30 - .31
Yohimbine hydrochloride, vis., oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works., lb. .25 - —
smaller lots, bgs., lb. .30 - —
Zinc acetate, tech., bbls., lb. .20 - —
USP, bbls., lb. .26 - .27
kgs., lb. .27 - .29
Arsenite bgs., c.l., frt. alld. E. of Rockies., lb. No stocks
l.c.l., same basis, lb. No stocks
Carbonate, tech., rubbermakers' grade, bbls., works., lb. .10¾- .11¾
USP, precip., powd., bbls., lb. .35 - —
dms., lb. .40 - —
kgs., lb. .37 - —
Chloride, tech., fused, dms., c.l., works., 100 lbs. 6.25 - —
l.c.l., works., 100 lbs. 6.55 - —
gran., bbls., c.l., works, 100 lbs. 7.00 - —
l.c.l., works., 100 lbs. 7.40 - —
Zinc chloride, solution, 50%, dms., c.l., works., lb. .0365- —
l.c.l., works., lb. .042½- —
tanks, works., lb. .0300- —
USP, dms., lb. .30 - .31
jars., lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works., lb. .34 - .35
Dust, bbls., c.l., divd., lb. .1250- .1300
l.c.l., lb. .12½- .13
Fluoride, bbls., works., lb. .18 - .19
Hydrosulphite, dms., works., lb. .16 - —
lb. .16 - —
Iodide, NF, jars., lb. 4.65 - —
Laurate, bbls., lb. .32 - .33
Naphthenates, 8% Zn, liquid, dms., lb. .19¾- —
10% Zn. liquid, dms., lb. .24 - —
18% Zn. solid, dms., lb. .31¾- —
Oxide, pigment, dom., acicular, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .09½- —
l.c.l., works., lb. .09¾- —
American process, com'l. lead-free, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .09½- —
l.c.l., works., lb. .09¾- —
leaded, 5%, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .09½- —
l.c.l., works., lb. .09¾- —
35% or more, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .11½- —
l.c.l., works., lb. .11¾- —
50%, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .12¾- —
l.c.l., works., lb. .12¾- —
French process, com'l, lead-free, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .11¾- —
l.c.l., works., lb. .12 - —
green seal, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .11¾- —
l.c.l., works., lb. .11½- —
white seal, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .11¾- —
l.c.l., works., lb. .12 - —
red seal, bgs., c.l., f.o.b. ship't point, frt. alld., lb. .10¾- —
l.c.l., works., lb. .11 - —
USP, ctns., c.l., f.o.b. ship't point, frt. alld., lb. .12¾- —

Zinc oxide Pac. Coast prices ½c. higher; bbls. prices ½c. higher than bgs.

Resinate, fused, 9% Zn, powd., dms., lb. .19½- —
Silicofluoride, bbls., lb. .15 - .16
Stearate, USP, ctns., 2,000 lbs. to c.l., lb. .50 - —
smaller lots., lb. .51 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld., 100 lbs. 4.15 - —
l.c.l., same basis, 100 lbs. 4.90 - —
flake, 25½% Zn., bgs., c.l., same basis., 100 lbs. 4.80 - —
l.c.l., same basis., 100 lbs. 5.55 - —
powd., 36% Zn., bgs., c.l., same basis., 100 lbs. 6.75 - —
l.c.l., same basis, 100 lbs. 7.50 - —

Zinc sulphate in bbls., 40c. higher.

Sulphide, pure, bgs., c.l., divd., lb. .10 - —
l.c.l., works., lb. .10¼- —
barium pigment, works, bgs., c.l., divd., lb. .07 - —
l.c.l., works., lb. .07¼- —
Calcium pigment, works, bgs., c.l., divd., lb. .07 - —
l.c.l., works., lb. .07¼- —
Fluorescent pigment, works, frt. alld., lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., divd., lb. .07 - —
l.c.l., divd., lb. .07¼- —

Zinc sulphide and pigment, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.

Sulphocarbolate, NF, gran., bbls., dms., lb. .28 - .30
Sulphoxylate, formaldehyde, basic, dms., works., frt. alld., lb. .17 - —
normal, dms., works, frt. alld., lb. .35 - —

Yellow (see Yellow, zinc).

Zinc-ammonia chloride, bbls., c.l., works., 100 lbs. 7.15 - —
l.c.l., works., 100 lbs. 7.55 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld., lb. 2.00 - 2.80
Zinc-iron oxide pigment, bgs., c.l., divd., lb. .07¾- —
l.c.l., divd. E. of Rockies, lb. .08¼- —
Pac. coast, lb. .06½- —
ex whse., Pac. coast., lb. .08¾- —
Zirconium acetate, solution, bbls., works—lb. .25½- —
Hydride, cns., works., lb. 7.00 - 8.00
Nitrate, bgs., works., lb. 3.00 - 4.00
Oxide, 88%, grd., bbls., c.l., works., lb. .22½- —
l.c.l., lb. .22¾- —
white, 98½%-99%, grd., bgs., works., lb. .80 - —
milled, electric, fused, 2,000-9,999 lbs., works, lb. .46 - —
500 lbs. and less, same basis., lb. .46½- .49
Oxychloride, cryst., bbls., 5 tons, works., lb. 29¼- —
Sulphate, basic, cake, bbls., c.l., works., lb. .18 - —
l.c.l., works., lb. .18½- .20
smaller lots, works, lb. .20 - .21½

Synthetic Resins and Branded Paint Materials (Manufacturers' List Prices)

A

Abalyn (see methyl abietate in Current Market Quotations).
Amalite, 2050, tankcars, divd., lb. .26 - —
drums, lb. .27 - —
2560, tankcars, divd., lb. .24½- —
drums, lb. .26 - —
2660, tankcars, divd., lb. .23½- —
drums, lb. .25 - —
2570, tankcars, divd., lb. .28 - —
drums, lb. .29½- —
2670, tankcars, divd., lb. .28½- —
drums, lb. .29½- —
3050, tankcars, divd., lb. .21 - —
drums, lb. .22½- —
3045, tankcars, divd., lb. .22 - —
drums, lb. .23 - —
3260-X, tankcars, divd., lb. .28 - —
drums, lb. .29½- —

Amavar, 235, tankcars, dlvd..lb. .16 - —
drums .....lb. .17½- —
255, tankcars, dlvd.....lb. .18 - —
drums .....lb. .19½- —
280, tankcars, dlvd.....lb. .14 - —
drums .....lb. .15½- —
282, tankcars, dlvd.....lb. .15 - —
drums .....lb. .16½- —
Arocloro, distilled, dms., c.l., works..lb. .18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. .19 - —
Arocloro, undistilled, dms., c.l., works..lb. .15½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½- —

B

Bakelite, B.R. 254, dms., c.l., frt. alld..lb. .38 - —
l.c.l., frt. alld....lb. .38½- —
4036, c.l., frt. alld.....lb. .39 - —
l.c.l., frt. alld....lb. .39½- —
9432, c.l., frt. alld.....lb. .32 - —
l.c.l., frt. alld....lb. .32½- —
17700, c.l., frt. alld.....lb. .34 - —
l.c.l., frt. alld....lb. .34½- —
17620, c.l., frt. alld.....lb. .28 - —
l.c.l., frt. alld....lb. .28½- —
9367, c.l., frt. alld.....lb. .27 - —
l.c.l., frt. alld....lb. .27½- —
13260, c.l., frt. alld.....lb. .45 - —
l.c.l., frt. alld....lb. .45½- —
1329, c.l., frt. alld.....lb. .36 - —
l.c.l., frt. alld....lb. .36½- —
9476, c.l., frt. alld.....lb. .33 - —
l.c.l., frt. alld....lb. .33½- —
3360, c.l., frt. alld.....lb. .37 - —
l.c.l., frt. alld....lb. .37½- —
10282, c.l., frt. alld.....lb. .34 - —
l.c.l., frt. alld....lb. .34½- —
14634, c.l., frt. alld.....lb. .34 - —
l.c.l., frt. dlvd....lb. .34½- —
15775, c.l., frt. alld.....lb. .26 - —
l.c.l., frt. alld....lb. .26½- —
2072, c.l., frt. alld.....lb. .25½- —
l.c.l., frt. alld....lb. .26 - —
11544, c.l., frt. alld.....lb. .24½- —
l.c.l., frt. alld....lb. .25 - —
302, c.l., frt. alld.....lb. .37 - —
l.c.l., frt. alld....lb. .37½- —
2175, c.l., frt. alld.....lb. .40 - —
l.c.l., frt. alld....lb. .40½- —
BV-1600, c.l., frt. alld.....lb. .30 - —
l.c.l., frt. alld....lb. .30½- —
10673, c.l., frt. alld.....lb. .35 - —
l.c.l., frt. dlvd....lb. .35½- —
BK-3962, c.l., frt. alld.....lb. .30 - —
l.c.l., frt. alld....lb. .30½- —
16624, c.l., frt. alld.....lb. .29½- —
l.c.l., frt. alld....lb. .30 - —
XR-3180, c.l., frt. alld.....lb. .70 - —
l.c.l., frt. alld....lb. .70½- —
4357, c.l., frt. alld.....lb. .72 - —
l.c.l., frt. alld....lb. .72½- —
BJ-15408, c.l., frt. alld....lb. .39½- —
l.c.l., frt. alld....lb. .40 - —
BR, 17920, c.l., frt. alld....lb. .53 - —
l.c.l., frt. alld....lb. .53½- —

Prices are f.o.b. Bakelite corporation's plants or warehouses, minimum transportation charges prepaid on units of standard drums or over to destination in United States except as follows:—Add 1c. per pound to list prices for prepaid delivery to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Shipments made via customer's routing will be shipped transportation charges collect and allowance for minimum transportation charges will be credited on invoice covering materials shipped. No transportation charges allowed on shipments of any materials in less than standard drum quantities.

Beetle, 212-9, dms., c.l., frt. alld. lb. .40½- —
l.c.l., same basis..lb. .41 - —
219-8, c.l., frt. alld.....lb. .29 - —
l.c.l., same basis..lb. .29½- —
227-8, c.l., frt. alld.....lb. .29 - —
l.c.l., same basis..lb. .29½- —
230-8, c.l., frt. alld.....lb. .34¾- —
l.c.l., same basis..lb. .35¼- —
251-8, c.l., frt. alld.....lb. .31½- —
l.c.l., same basis..lb. .32 - —
592-8, c.l., frt. alld.....lb. .31½- —
l.c.l., same basis..lb. .32 - —

C

Cellolyn 102, non-ret. dms., dlvd.. c.l..lb. .23 - —
10 dms., same basis.....lb. .23½- —
1-9 dms., same basis.....lb. .24 - —
Cumar resin, DX, gross weight lb. .05½- —
EX, gross weight.....lb. .05½- —
FX, gross weight.....lb. .06 - —
MH, Col. 1.....lb. .13 - —
1½-2 .....lb. .12 - —
2½-3½ .....lb. .11 - —
9 .....lb. .09 - —
MS .....lb. .11 - —
P, 10°-90°, C., col. 2½ and darker..lb. .11 - —
RH .....lb. .11 - —
RS .....lb. .11 - —
V col. ½.....lb. .14 - —
1 .....lb. .13 - —
1½-2 .....lb. .12 - —
2½ and darker.....lb. .11 - —
W col. ½.....lb. .14½- —
1 .....lb. .13½- —
1½-2 .....lb. .12½- —
2½ and darker.....lb. .11½- —

All "P" grades with melting point below 50 degrees C., and grades AX and BX are shipped in steel drums. Grades CX, DX, EX and FX are sold on a gross weight basis. All other grades are sold on a net weight basis and are shipped in destructible metal drums, but their packaging is subject to change without notice Prices are based on f.o.b. plant at Frankfort, Pa., freight equalized with Pittsburgh.

D

Dow resin 276 V-2 and V-9, 55-gal. drums, c.l., works. lb. .24 - —
l.c.l., same basis.....lb. .24½- —
5 and 10-gal. drums, same basis..lb. .30 - —
DC-804, dms., 50 gals., works. gal.18.65 - —
30 gals., same basis..gal.18.65 - —
10 gals., same basis..gal.19.40 -19.70

E

Esterol, Group "A." A (E.S. 2), non-ret. dms., l.c.l., works. frt. alld. in U. S. except Ariz., Calif., Colo., Ida., Mont., Nev., N. M., Tex., Utah, Wash., Wyo..lb. .31¼-
D, l.c.l., same basis.....lb. .27½- —
22 (E.S. 202), l.c.l., same basis..lb. .23½- —
25 (E.S. 246), same basis, l.c.l..lb. .20 - —
33 (E.S. 293), l.c.l., same basis..lb. .25 - —
562 (E.S. 19), l.c.l., same basis..lb. .26½- —
660 (E.S. 56), l.c.l., same basis..lb. .23 - —
750 (E.S. 94), l.c.l., same basis..lb. .32 - —

Esterol, D, 2600 (E.S. 72), l.c.l., same basis..lb. .25½- —
2633 (E.S. 69), l.c.l., same basis..lb. .25½- —
4040 (E.S. 230), l.c.l.....lb. .27½- —
5893, l.c.l., same basis.....lb. .27 - —

Group "A" are standard production items normally carried in the manufacturer's inventory.

Ethocel, ctns. (50-lb.), 5,000 lbs. or more, frt. alld., 200 lbs., not to exceed $1.66 per cwt. up, works..lb. .57 - —
under 5,000 lbs., same basis.. lb. .59 - —

F

FCD resins (no prices at the present time due to unstable conditions).

Flexalyn solution, non-ret. dms., dlvd., c.l..lb. .16¾- —
10 dms., same basis.....lb. .17¼- —
1-9 dms., same basis.....lb. .17¾- —
Flexsynol, 102, tanks, dlvd...lb. .14 - —
105, tanks, dlvd.....lb. .12½- .13½
135, tanks, dlvd.....lb. .13 - .14½

G

Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs., works. lb. .33 - —
5,000 to 29,999 lbs., works.lb. .34 - —
200 to 4,999 lbs., works...lb. .36 - —
up to 199 lbs., works....lb. .50 - —
202, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,000 lbs., works.lb. .37 - —
200 to 4,999 lbs., works..lb. .39 - —
up to 199 lbs., works....lb. .56 - —
203, 30,000 lbs., works.....lb. .38 - —
5,000 to 29,000 lbs., works.lb. .39 - —
200 to 4,999 lbs., works..lb. .41 - —
up to 199 lbs., works....lb. .58 - —
Geon, 204, 30,000 lbs., works..lb. .42 - —
5,000 to 29,999 lbs. .....lb. .43 - —
200 to 4,999 lbs.....lb. .45 - —
up to 199 lbs.....lb. .60 - —
Glyptal 2458, dms., c.l., frt. alld. lb. .27½- —
l.c.l. .....lb. .27¾- —
2462, c.l., same basis.....lb. .25 - —
l.c.l. .....lb. .25½- —
2466, c.l., same basis.....lb. .29 - —
l.c.l. .....lb. .29½- —
2475, c.l., same basis.....lb. .26½- —
l.c.l. .....lb. .27 - —
2477, c.l., same basis.....lb. .28¾- —
l.c.l. .....lb. .29¼- —
2480, c.l., same basis.....lb. .27 - —
l.c.l. .....lb. .27½- —
2503, c.l., same basis.....lb. .46 - —
l.c.l. .....lb. .46½- —
2504, c.l., same basis.....lb. .25¼- —
l.c.l. .....lb. .25¾- —
2505, c.l., same basis.....lb. .31½- —
l.c.l. .....lb. .32 - —
2508, c.l., same basis.....lb. .50 - —
l.c.l. .....lb. .50½- —
2509, c.l., same basis.....lb. .23¼- —
l.c.l. .....lb. .23¾- —
2527, c.l., same basis.....lb. .28 - —
l.c.l. .....lb. .28½- —
2529, c.l., same basis.....lb. .35¼- —
l.c.l. .....lb. .35¾- —
2532, c.l., same basis.....lb. .22½- —
l.c.l. .....lb. .23 - —
2555, c.l., same basis.....lb. .32 - —
l.c.l. .....lb. .32½- —
2556, c.l., same basis.....lb. .37 - —
l.c.l. .....lb. .37½- —
2570, c.l., same basis.....lb. .30 - —
l.c.l. .....lb. .30½- —
2583, c.l., same basis.....lb. .22¼- —
l.c.l. .....lb. .22¾- —
2585, c.l., same basis.....lb. .25 - —
l.c.l. .....lb. .25½- —
Glyptal, 2590, c.l., same basis.lb. .22¼- —
l.c.l. .....lb. .22¾- —
2592, c.l., same basis.....lb. .21 - —
l.c.l. .....lb. .21½- —
2593, c.l., same basis.....lb. .27 - —
l.c.l. .....lb. .27½- —
2595, c.l., same basis.....lb. .27 - —
l.c.l. .....lb. .27½- —
Guai-a-phene, ret. dms., dms. on deposit at $4.00 each, works, 50-55 gals..gal. 2.47 - —
10 gals., two fives, per case, works..gal. 2.57 - —
5 gals., one can per case, works..gal. 2.62 - —
6 gals., six ones in single case, works..gal. 2.72 - —
1 gal., in single carton, works..gal. 2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.

L

Lewisol resin, 28, non-returnable light-gauge steel dms., c.l., f.o.b. customer's siding, zone 1..lb. .27 - —
l.c.l., 10 dms., same basis lb. .27½- —
1-9 dms., same basis..lb. .28 - —
33, c.l., same basis.....lb. .28½- —
l.c.l., 10 dms., same basis. lb. .29 - —
1-9, dms., same basis..lb. .29½- —

Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable: net 30 days.

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M

Marvinol, resin, 30,000 lbs., f.o.b. works..lb. .33 - —
5,000 to 29,999 lbs., same basis lb. .34 - —
200 to 4,999 lbs., same basis. lb. .36- —
Melmac, 245-8 dms., c.l., frt. alld...lb. .37½- —
l.c.l., frt. alld..lb. .38 - —
560-8, c.l., frt. alld.....lb. .38¼- —
l.c.l., frt. alld..lb. .38⅝- —
566-9, c.l., frt. alld.....lb. .34½- —
l.c.l., frt. alld..lb. .35 - —
599-8, c.l., frt. alld.....lb. .37½- —
l.c.l., frt. alld..lb. .38 - —

N

Neo-fat drying oil, 170, dms., incl., c.l., dlvd..lb. .28¼- —
190, dms., c.l., dlvd.....lb. .31¼- —
290, dms., c.l., dlvd.....lb. .34¼- —
fatty acid, 3R, dms., incl., c.l., dlvd..lb. .20¼- —
17, dms., c.l., dlvd.....lb. .24¼- —
19, dms., c.l., dlvd.....lb. .26¼- —

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.

Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. .25 - —
hard, color 2-½-4, melting point 85-95° C., same basis..lb. .23 - —
soft, color 2-½-4, melting point 65-70° C., same basis..lb. .25 - —
10° C, color ½-4, same basis..lb. .33 - —
ZC, same basis.....lb. .31 - —
OA, same basis.....lb. .45 - —
RP, same basis.....lb. .25 - —
TS, same basis.....lb. .45 - —
RT, same basis.....lb. .31 - —
RX, same basis.....lb. .31 - —
PHO, same basis.....lb. .33 - —

Neville resin, G., dms., net weight lb. .09½- —
R-1 nevindene, color ½, dms., works..lb. .14½- —
R-8, nevindene, color 1, dms., works..lb. .13½- —
R-5, nevindene, color 1½-2, dms., works..lb. .12½- —
R-6, nevindene, color 2½-3½, dms., works..lb. .11½- —
R-7, N.P.S., color below 3, dms., works..lb. .14 - —
R-9, hard, color ½, dms., works..lb. .14 - —
R-10, hard, color 1, dms., works..lb. .13 - —
R-11, hard, color 1½-2, dms., works..lb. .12 - —
R-12, hard, color 2½-3½, dms., works..lb. .11 - —
R-13, medium, color ½, dms., works..lb. .14 - —
R-14, medium, color 1, dms., works..lb. .13 - —
R-15, medium, color 1½-2, dms., works..lb. .12 - —
R-16, medium, color 2½-4, dms., works..lb. .11 - —
R-17, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-19, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-21, soft, color 3½-8, dms., works..lb. .11 - —
R-22, special, soft, color 3½-8, dms., works..lb. .11 - —
R-29, medium, soft, color 2½-8, dms., works..lb. .11 - —
465, 110-125°C., dms., gross weight, Pittsburgh..lb. .04½- —
Resinous oil, No. XI ret, dms...lb. .02 - —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevinol, dms., works.....lb. .16 - —
Nextex, 10, returnable dms., works..lb. .08½- —
Nuba, No. 1, 80-90° C., dms., gross weight, works..lb. .03½- —
No. 2, 100-125° C., dms., gross weight, works..lb. .03½- —
No. 3-X, 135-150° C., dms., gross weight, works..lb. .05 - —
Neville P.H.O., dms., works...lb. .33 - —

P

Paradene, No. 1, 75-90° C., color 12-16, dms., gross wt., works lb. .05½- —
2, 100-125° C., color 12-16, dms., gross wt., works..lb. .05½- —
3, 125-140° C., dms., gross wt. works..lb. .06 - —
33, 34, color 10-15, dms., works, lb. .06½- —
35, color 10-15, dms., works, gross wt..lb. .06 - —

Paradene prices are freight equalized in Philadelphia, Pa.

Paranol resin, extra hard, 25, l.c.l., dlvd..lb. 23½- —
30, l.c.l., dlvd.....lb. .24 - —
54, l.c.l., dlvd.....lb. .28 - —
1639, l.c.l., dlvd.....lb. .27 - —
Paranol resin, 1750, l.c.l., dlvd.lb. .26 - —
1855, l.c.l., dlvd.....lb. .25 - —
Parapen, 4511, l.c.l., dlvd....lb. .19 - —
4513, l.c.l., dlvd.....lb. .20 - —
Parasames, 8 solid resins, c.l. and l.c.l. dlvd.....lb. .16¼- —
Pentalyn A, non-ret. dms., f.o.b. customer's siding, zone 1. c.l..lb. .19 - —
10 dms., same basis....lb. .19½- —
1-9 dms., same basis...lb. .20 - —

Pantalyn, G, non-ret. dms., f.o.b. customer's siding, zone 1. lb. .20½- —
10 dms., same basis...lb. .21 - —
1-9 dms., same basis...lb. .21½- —
M, non-ret. dms., c.l., f.o.b. customer's siding, c.l., zone 1..lb. .22½- —
10 dms., same basis.....lb. .23 - —
1-9 dms., same basis.....lb. .23½- —
M-802A, non-ret. dms., c.l., f.o.b. customer's siding, zone 1..lb. .22 - —
10 dms., same basis.....lb. .22½- —
1-9 dms., same basis.....lb. .23 - —
X, non-ret. dms., c.l., f.o.b. customer's siding, zone 1. lb. .22 - —
10 dms., same basis.....lb. .22½- —
1-9 dms., same basis.....lb. .23 - —
Phenac 604-M dms., c.l. frt. alld. lb. .24 - —
l.c.l., frt. alld.....lb. .24½- —
608, c.l., frt. alld.....lb. .27½- —
l.c.l., frt. alld.....lb. .28 - —
622-N, c.l., frt. alld.....lb. .23½- —
l.c.l., frt. alld.....lb. .24 - —
X-687, c.l. frt. alld.....lb. .35 - —
l.c.l. frt. alld.....lb. .35½- —
P.H.O., dms., works.....lb. .33 - —
Piccolastic, A-L, A-5, A-25, A-50, B-50, C-5, C-25, C-50, E-50 types, c.l., Clairton, Pa..lb. .20 - —
A-L, etc., l.c.l., same basis..lb. .20½- —

The above types are sold in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

A-75, B-75, B-100, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-75, E-100, E-125 types, c.l., Clairton, Pa. lb. .20 - —
l.c.l., same basis.....lb. .20½- —

The above types are sold on a net weight basis, in light gauge steel drums weighing approximately 15 lbs. each, drums included.

FT, FX, FHF types, c.l., Clairton, Pa..lb. .12½- —
l.c.l., same basis.....lb. .13 - —

The above types are in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

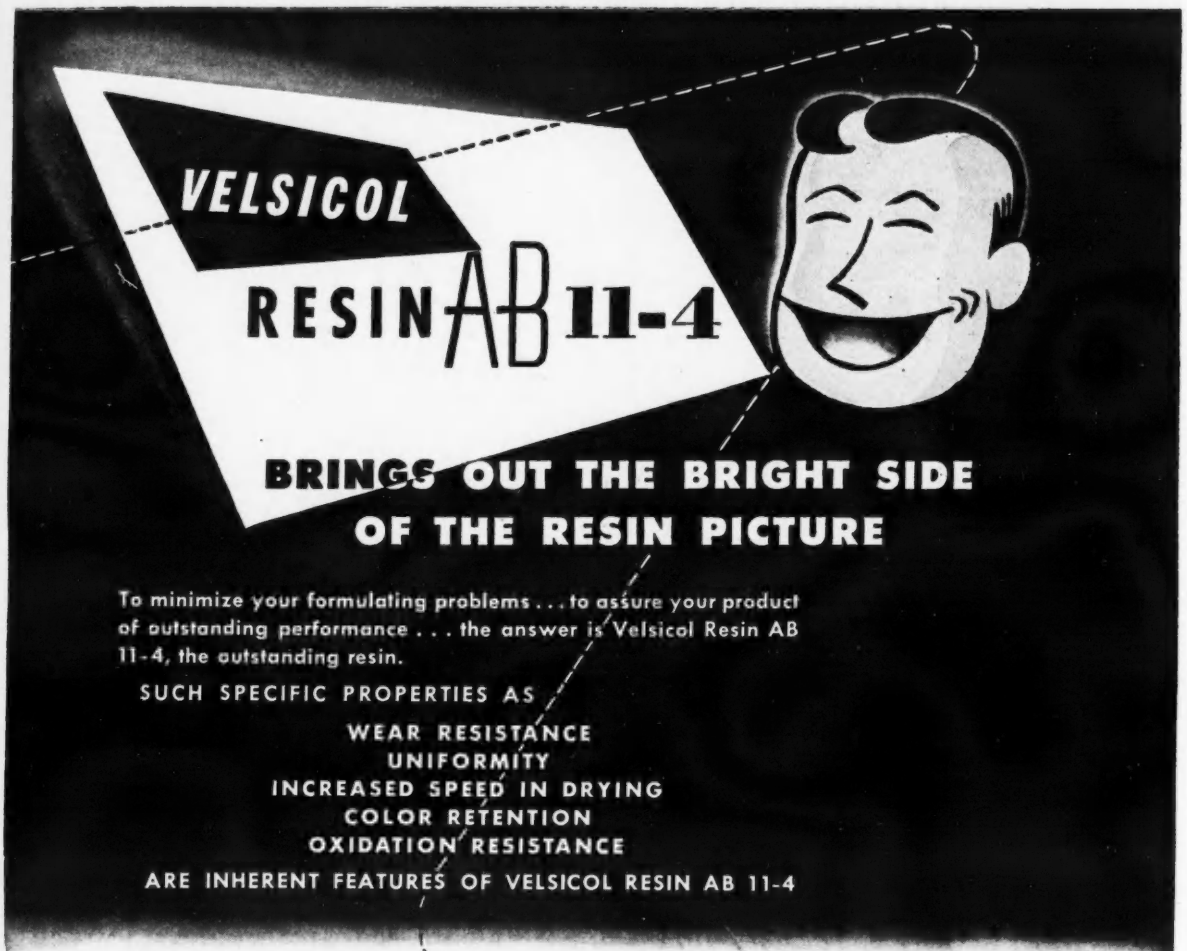
Piccolyte resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l..lb. .19 - —
l.c.l. .....lb. .19½- —
S-55, S-70, same basis, c.l.lb. .20 - —
l.c.l. .....lb. .20½- —
S-85, S-100, same basis, c.l.lb. .21½- —
l.c.l. .....lb. .21½- —
S-115, same basis, c.l.....lb. .22 - —
l.c.l. .....lb. .22½- —
Piccoumaron resins, 420, 420-S, dms., net wt., f.o.b. Clairton, Pa., frt. equald..lb. .09½- —
420-T, gross wt. f.o.b. works. lb. .09¼- —
422-R, 423-R, 425-R, 427-R, dms., net. wt., f.o.b. works, frt. equald..lb. .11 - —
430, 435, bulk, gross wt., same basis..lb. .05½- —
440-T, f.o.b. works.....lb. .08¾- —
450, 450-H and 450-S, f.o.b. works, frt. equald..lb. .10½- —
450-EH, same basis.....lb. .10½- —
460-T, f.o.b. works.....lb. .08¾- —
XX-25, XX-40, bulk, net wt., f.o.b. works, frt. equald. lb. .06½- —
XX-55, dms., gross wt., same basis..lb. .06 - —
XX-70, XX-100, same basis. lb. .05½- —
XX-115, same basis.....lb. .06 - —
T-115, f.o.b. works.....lb. .09¾- —
60%, 420-ES Sol., non-ret. dms., c.l..lb. .08 - —
Pliolite, S-5, miller resin, dms., f.o.b. Akron, ton..lb. .59 - —
Base, 1-S5, titanium dioxide, same basis..lb. .45 - —
2B-S5, carbon black, same basis..lb. .50 - —
5-S5, zinc oxide, same basis. lb. .34 - —
6-S5, red lead, same basis..lb. .36 - —
7C-S5, Indian red, same basis. lb. .49 - —
8-S5, zinc chromate, same basis..lb. .51 - —
13-S5, China clay, same basis. lb. .33 - —
14-S5, lithopone, same basis. lb. .31 - —
17-S5, Prussian blue, same basis..lb. .65 - —
35-S5, toluidine toner, medium, same basis..lb. .95 - —
38-S5, yellow iron oxide, same basis..lb. .45 - —
39-S5, C.P., chrome green, medium, same basis..lb. .64 - —
41-S5, C.P., chrome yellow, medium, same basis..lb. .46 - —
46B-S5, lampblack, same basis. lb. .53 - —
47-S5, high zinc lithopone, same basis..lb. .34 - —
64-S5, molybdate orange, dark, same basis..lb. .64 - —
65-S5, C.P., chrome yellow, extra light, same basis..lb. .51 - —
74-S5, R-100, flash red, same basis..lb. .98 - —

These prices apply to all orders for resin and bases in excess of 2,000 lbs. The order may consist of several items. For quantities of 200 to 1,999 lbs. add 1c. per pound to the above prices. For quantities of less than 200 lbs. add 6c. per pound to the above prices.

Polypale, ester, No. 10, non-ret. dms., c.l., dlvd..lb. .21 - —
10 dms., same basis....lb. .21½- —
1-9 dms., same basis...lb. .22 - —

R

Rezyl 92-5, dms., c.l., frt. alld. lb. .33½- —
l.c.l. .....lb. .33¾- —
99-4-60, c.l., same basis....lb. .30 - —
l.c.l. .....lb. .30½- —
330-5, c.l., same basis....lb. .25¾- —
l.c.l. .....lb. .26¼- —
387-5, c.l., same basis....lb. .27¾- —
l.c.l. .....lb. .28¼- —
412-1, c.l., same basis.....lb. .24½- —
l.c.l. .....lb. .25 - —
435-1, dms., c.l., frt. alld..lb. .23½- —
l.c.l., same basis..lb. .24 - —
728-5, c.l., same basis.....lb. .28¾- —
l.c.l. .....lb. .29¼- —
729-5, c.l., same basis.....lb. .26½- —
l.c.l. .....lb. .27 - —
731-5, c.l., same basis.....lb. .27 - —
l.c.l. .....lb. .27½- —
775-1, c.l., same basis.....lb. .22 - —
l.c.l. .....lb. .22½- —
784-1, c.l., same basis.....lb. .26 - —
l.c.l. .....lb. .26½- —
872-1, c.l., same basis.....lb. .29 - —
l.c.l. .....lb. .29½- —



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Rezyl, 373-1, c.l., same basis	lb.	.27	- —
l.c.l.	lb.	.27½	- —
880-1, c.l., same basis	lb.	.27	- —
l.c.l.	lb.	.27½	- —
1102-5, c.l., same basis	lb.	.25	- —
l.c.l.	lb.	.25½	- —
Solid 99, c.l., same basis	lb.	.52½	- —
l.c.l.	lb.	.53	- —
X-315, c.l., same basis	lb.	.47¾	- —
l.c.l.	lb.	.48¼	- —

S

Saran F-120 resin, c.l., works	lb.	.57	- —
l.c.l., same basis	lb.	.59	- —
F-123 latex, approx. 50% solids contained, wood bbls. (55 gals.), c.l., works	lb.	.42	- —
l.c.l., same basis	lb.	.44	- —
10-gal. bbls., same basis	lb.	.50	- —
Silene (see Calcium silicate hydrated under C in Current Market Quotations).			
Staybelite ester, No. 10, non-ret. dms., c.l., f.o.b., customer's siding, zone 1	lb.	.24½	—
10 dms., same basis	lb.	.25	- —
1 dm., same basis	lb.	.25½	—

T

Teglac, 15 dms., c.l., frt. alld	lb.	.29½	—
l.c.l., same basis	lb.	.30	- —
127, c.l., frt. alld	lb.	.25	- —
l.c.l., same basis	lb.	.25½	—
128, c.l., frt. alld	lb.	.24	- —
l.c.l., same basis	lb.	.24½	—
161, c.l., frt. alld	lb.	.27½	—
l.c.l., same basis	lb.	.28	- —
164, c.l., frt. alld	lb.	.25½	—
l.c.l., same basis	lb.	.26	- —

V

Vanadiset resins, grade A, 285-300° F. m.p., whse.	lb.	.018 -	.040
H, 245-255° F. m.p., whse.	lb.	.025 -	.032
C, 315-340° F. m.p., whse.	lb.	.018 -	.040
D, 170-180° F. m.p., whse.	lb.	.025 -	.045
MR, 260-270° F. m.p., whse.	lb.	.014 -	.060
pulverized, whse	lb.	.0850-	.210
solution, whse	lb.	.4000-	.650
Velsicol resins, AD-4-5, dms., c.l., f.o.b. works	lb.	.13	- —
10 dms. up, works	lb.	.13½	—
1-9 dms., works	lb.	.14	- —
AB-11-4, dms., c.l., works	lb.	.09¼	—
l.c.l., dms., works	lb.	.09½	—
Solutions, AD-660, tankcars, works	lb.	.08¾	—
dms., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.10¼	—
AD-670, tankcars, works	lb.	.09¾	—
dms., c.l., works	lb.	.11¼	—
l.c.l., works	lb.	.11¾	—
AB-400, tankcare, works	lb.	.06¾	—
dms., c.l., works	lb.	.08	- —
l.c.l., works	lb.	.06½	—
Cost of non-returnable drums included in the above prices.			
Vinsol, resin, c.l., f.o.b. works	lb.	.06	- —
1,000 lbs., same basis	lb.	.07	- —
500 lbs. to 950 lbs., same basis	lb.	.07½	—
less than 500 lbs., same basis	lb.	.10	- —

Vinylseal, modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, non-ret. dms., 20-dm. lots, same basis	gal.	2.00	- —
drum lots, same basis	gal.	2.25	- —
less than drum lots, same basis	gal.	2.50	- —
28% by weight, solution in methyl acetate, MA 28-18, 20-drum lots, same basis	gal.	2.15	- —
drum lots, same basis	lb.	2.40	- —
less drum lots	gal.	2.65	- —
28-14, 20-drum lots, same basis	gal.	2.15	- —
drum lots, same basis	gal.	2.40	- —
less drum lots	gal.	2.65	- —
All "Vinylseal" containers except 5-gal. cbys. non-returnable.			
Vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYDR, VYNV, VYNY, VYNL, powdered, c.l. (30,000 lbs.), paper bgs., f.o.b. cars, South Charleston, W. Va.	lb.	.33	- —
10,000 to 29,999 lbs., same basis	lb.	.34	- —
200 to 9,999 lbs., same basis.	lb.	.35	- —
1 to 199 lbs., same basis	lb.	.51	- —
VYNS, c.l. (30,000 lbs.), paper bgs., same basis	lb.	.44	- —
10,000 to 29,999 lbs., same basis	lb.	.45	- —
200 to 9,999 lbs., same basis.	lb.	.46	- —
1 to 199 lbs., same basis	lb.	.62	- —
VYCM, powd., c.l., 30,000 lbs., paper bgs., f.o.b. cars South Charleston, W. Va.	lb.	.38	- —
10,000-29,999 lbs., same basis	lb.	.39	- —
200-9,999 lbs., same basis.	lb.	.40	- —
1-199 lbs., same basis	lb.	.56	- —

Vinyl chloride-acetate, VMCH, c.l. (30,000 lbs.), same basis	lb.	.39	- —
10,000 to 29,999 lbs., same basis	lb.	.40	- —
200 to 9,999 lbs., same basis.	lb.	.41	- —
1 to 199 lbs., same basis	lb.	.57	- —
acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs)	lb.	.40	- —
AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis	lb.	.43	- —
200 to 1,999 lbs., same basis.	lb.	.45	- —
1 to 199 lbs., same basis	lb.	.60	- —
AYAC, solid, fiber dms. at option of seller, c.l. (30,000 lbs.), f.o.b. cars South Charleston, W. Va.	lb.	.43	- —
2,000-29,999 lbs., same basis	lb.	.45	- —
200-1,999 lbs., same basis.	lb.	.47	- —
1-199 lbs., same basis	lb.	.62	- —
1 to 199 lbs., same basis	lb.	.51	- —
butyral resins, X-1, X-2, X-3, granular, 96 to 97% solids, prices based on contained solids (in paper bags at option of sellers).			
30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l.	lb.	.82	- —
10,000 to 29,999 lbs., same basis	lb.	.83	- —
200 to 9,999 lbs., same basis.	lb.	.84	- —
1 to 199 lbs., same basis	lb.	1.00	- —

Socony Shuffles Foreign Trade Unit

Socony-Vacuum Oil Company has appointed Francis E. Powell jr., chairman of the foreign trade committee and has named F. H. Henry vice-chairman of the committee. In addition, Arthur G. Reed and O. J. Bellis have been made members of the foreign trade committee.

Other appointments announced by the company included: L. A. Blumenthal and M. J. A. Bertin, assistants to the general manager of foreign trade; C. V. Barry, European representative of the foreign trade committee's planning staff with headquarters in London; Charles F. Darlington, American representative, and C. T. Crawford, manager of supply operations.

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Bjorksten Research Laboratories
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Volume 151 June 2, 1947 Number 22

Community Development Pays

In the upper Monongahela valley of West Virginia, the businesses of the community are demonstrating in an application of enlightened selfishness that private enterprise can do as much as any governmental project to lift the living standards and the buying power of people to whom the advantages of well-developed manufacturing industry are not available. Led by a private power company, that business community is doing for its farmer neighbors—and for itself—at least as much per capita as is being done by the far more costly Tennessee Valley Authority.

The West Virginia help-begins-at-home project had its start in an acceptance of a governmental challenge that only public ownership of the utilities, and the coal, of the region, would bring to the people their proper share of the value of those resources and services. Private enterprise has demonstrated clearly, and profitably, that that popular pronouncement of propagandists need not be true. The businessmen of the community recognized that, all too often, the absence of immediate profit made private enterprise reluctant to invest in the welfare of its community. They had plenty of evidence that the advocators of government-owned public utilities made much of that situation and found in it a wide-open opportunity to turn the taxpayers' money to the remedying of the neglect. In the West Virginia community, the businessmen took that opportunity to themselves.

It must be said that the privately promoted project of community development in West Virginia has found many useful hints in the records of the TVA project. More have been found in the common-sense knowledge of community needs which every businessman possesses everywhere. The feature of their grasping of the situation is that the West Virginia businessmen proceeded to implement that knowledge.

Manufacturing, distributing, and service industries have a much larger part in the life of their communities than the making of money therefrom. And it is known to the wise among them that, in the measure of the fullness with which they accept and function in that part, will their making of money proceed. It is a basic economic truism that the profits of those who serve are in direct ratio with the possessions of those whom they serve; that, the larger the community dollar, the larger the share of each among whom it is divided. Community development is too good an investment to be left to government.

Potash As of Old

The growers of tobacco in Connecticut and Pennsylvania are greatly perturbed over the insufficiency of available cottonseed-hull ash to which they have long been accustomed to turn for a mild potassic fertilizer. This ancient potash has been more than usually desirable for several years because of the scarcity of potassium sulphate and the new-coming demand of electronic glassware on potassium carbonate—potassium chloride is not popular as a tobacco plant-food: the chlorine evolved is not good for the highly desirable evenness and depth of coloration of tobacco leaves.

Why cottonseed-hull ash is considered better than any other vegetable ash is one of those things which blend physics and psychology and creeds and customs in a habit. One reason for its use is its availability, normally speaking. The hulls pile up at the mills—and somebody thought up the idea of burning them into the potash of long-gone generations. Piles of sawdust are equally available, sometimes still closer to Northern tobacco regions. Beanpods, straws, weeds—all sorts of plant wastes make potash when burned. Why nobody—or, at most, very few—make a business of burning them commercially nobody can say; although the handicaps laid by the impracticabilities of transportation are not without a deal of influence in the matter.

Some day, perhaps, the application of technology and the distribution of productive and transport power will reach a stage that will make possible a degree of integration of all the potentialities of the activities of mankind. Somebody, of course, will have to determine such things as what proportion of natural waste vegetation and agricultural and horticultural wastes is to go into composts with nitrogen principally in view, and how much into ash for another useful plantfood. It is inevitable that mankind must depend more and more on replaceable organic materials. It is desirable that the service of that dependence be preparatorily developed. It is time that there be spreading recognition of the fact that cottonseed hulls are not the only things which can be burned into potash.

Washington Talks It Over

—*Continued from page 5*

weeks in Midsummer, particularly in its demands for nitrogen. As a result, corn specialists of the USDA and several State experiment stations are experimenting actively with time of fertilizer applications with a view of supplying additional nitrogen in those critical weeks. Indications are that it may prove profitable for farmers growing corn on highly fertile corn-belt soils to supply added nitrogen in Midsummer to make heavy corn yields still heavier.

The nitrogen accumulation in the plant was found to reach its daily maximum at silking time and ceased about four weeks later. The need for phosphorus continued through the season. This raises the question whether it will not prove most profitable to plant the best hybrids available at rates as heavy as the soil and water supply will support, and then follow a method of fertilization that insures a supply of readily available additional nitrogen to meet the exceedingly heavy demands of the crop in those few critical weeks.

At least this has been found to be so in experiments in North Carolina. Tests there showed that the high yields of corn could be harvested from relatively infertile soils by thick planting and heavy use of commercial fertilizers both at planting time and in the silking season. It is estimated that in North Carolina it would be possible to harvest a bushel of corn for each 2 pounds of nitrogen in the fertilizer.

Foreign Relations Policies

International political observers are attaching quite a bit of importance to a little publicized speech of Undersecretary of State Dean Acheson recently in the town of Cleveland, Miss. They are interpreting it as setting forth three major administration policies in the foreign relations field as follows:

(1) Immediate rebuilding of Germany and Japan, the two great workshops of Europe and Asia, upon which the ultimate recovery of those two continents depends, even without full Four Power agreement, if necessary; (2) continuation of control of exports primarily for purposes of political objectives abroad; and (3) financing of purchases of foreign countries of those products needed to sustain life and rebuild their economies.

With respect to the rebuilding of Germany especially, the speech indicates that the forthcoming London conference of ministers will be of special importance, for our delegates will decide then and there whether to abandon efforts to reach an agreement with Russia on the German peace treaty. As to the financing of purchases by foreign countries, this is believed to mean the embarking on another lend-lease or its equivalent, possibly up to five years.

The subject of continued control of exports is now being dealt with in Congress and the hearings thus far show a definite trend in favor of continuing these controls.

Potato Waste Is Costly

Congress is becoming more than a little concerned over the prospect that a surplus potato problem is becoming an annual affair and a drain on the Federal treasury. For the past five years in a row, the government has had to take steps to keep the surplus off the market, and each year the task has become greater The 1946 crop cost the taxpayers $80,000,000 in waste.

There is really no excuse for it. Experts are convinced that every potato grown in this country can be consumed if only some way could be found to get them to the markets. For example, the entire 1946 surplus crop of 100,000,000 bushels could have been consumed advantageously in the baking industry alone if the potatoes had been converted into flour. Potato flour can be processed the year around and can be stored for three years without spoilage.

What is needed is more potato-flour processing plants. At the present time there are only four small plants in the entire country, and they are working to capacity without hope of satisfying more than 5 percent of the anticipated national requirements for potato flour. Because the government has such a big stake in the problem, via the subsidy payment route, quite a bit of sentiment is building up to have the government get into the potatoe flour production business itself.

Inventories, Prices, Wages

The American Federation of Labor's economic department has called attention to what it considers a very significant trend in business inventories. It noted that the expansion in inventories, which had reached a rate of $500,000,000 a month last Summer, dropped to $300,000,000 in April an indication that production was catching up with demand.

The reason for it, the organization said, is the high price of consumer goods. It estimated that consumer buying power today is 6 percent below last year because of price increases. Food prices were up 35 percent from last year; meat was up 58 percent; butter and other fats, 50 percent; clothing, 20 percent, and household furnishings, 21 percent. Other prices had risen less than 10 percent.

AFL estimates that a price decline of about 10 percent on the average will be necessary to lift consumer buying to a point where it will fill the gap created by the slowdown in the expansion of inventories. Of course, it adds, there will have to be wage increases too.

Oil Appropriation Urged

Seldom has there been such a loud and extended protest by industry against a cut in government appropriations as has been heard from the oil industry since the house appropriations committee cut out the funds from the Interior department appropriation bill for operation of the department's newly established oil and gas division. Ever since the bill has been before the senate there has been a continuous march of industry representatives before the committee urging that the funds be restored.

The division was set up by Secretary Krug at the suggestion of President Truman in order to coordinate and centralize all the government work in the field of oil exploration and policy. At the time, the industry had many misgivings as to the intent of the division and was exceptionally slow to warm up to the idea of such a centralized body. Many explanations later reversed this sentiment and now the industry is all for the division.

Whether the appeals to the senate to restore the funds cut out by the house will prove successful remains to be seen. But, there are indications that the senate feels the house has gone too far, and funds should be made available, at least on a trial basis, so that the division will have the opportunity to show what it can do. There is a chance also that the Geological Survey will get some of its funds restored so that it can continue mapping the country for oil reserve possibilities.

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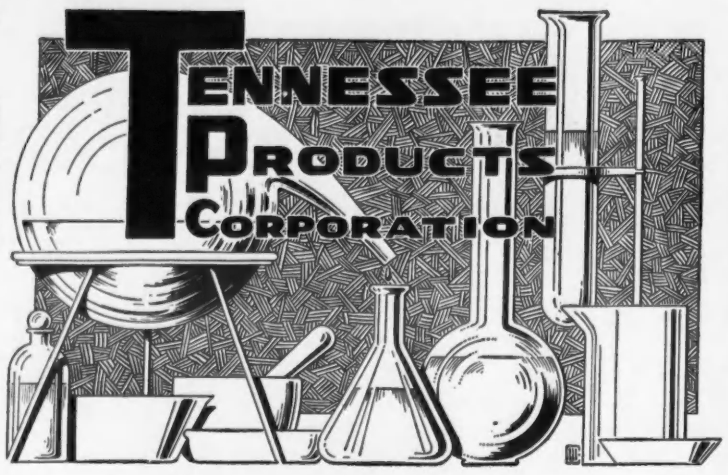

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Market Trends

Prices Advanced

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Prices Reduced

Barium oxide, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
199.3	199.0	199.0	168.5

Acids

Last week.	Prev. week.	Last month.	Last year.
119.3	119.3	119.1	116.0

(For Current Prices see Page 9)

While demand for contract shipments of heavy chemicals has continued steady, inquiry for several of the smaller tonnage items has been subjected to irregularity and new business is described as spotty. The current buying policy is to take on minimum quantities for actual requirements and there has been no departure from the tendency to hold down inventories. At present, the market's price structure is firm with no important signs of flexibility revealed. There has been improvement in general distribution as a result of the elimination of occupational disturbances. In the copper, manganese, nickel and zinc based chemicals, a definite improvement in buying conditions has developed. There is sufficient bicarbonate of ammonia, chlorate of potash, nitrite of soda and sulphuric acid to meet requirements readily. On the other hand, soda ash, caustic soda and most of the alkali based chemicals have remained exceedingly tight. No improvement could be noted in the supply of formic or oxalic acids. Glacial acetic acid has continued tight regardless of reports of stepped up production.

Chloride of barium has been priced higher. White sal ammoniac has continued tight and foreign material has been brought in to assist in meeting the heavy demand for dry-battery use. The market for thorium nitrate has been advanced. A new producer of copper basic sulphate will enter the market about June 15. In some quarters, lower prices were named for barium oxide. Stocks of carbon tetrachloride have been difficult to locate for immediate or prompt shipments. Cadmium and tungsten based chemicals have continued exceedingly firm with buying conditions definitely tight.

Production figures appearing below unless otherwise designated are from the Bureau of the Census, Department of Commerce.

Barium Carbonate—Prices for precipitated for domestic use are firm at former levels with some producers in a better position to meet prompt shipments. Stocks for export are also available at a premium over domestic prices, the advance being regulated by the quantity, style of package and conditions prevailing at the time of shipment.

Barium Chloride — Priced higher with carlots commanding $85 per ton at the works and smaller lots held at $95 per ton. Some export business in carlots is said to have been booked at the latter figure. All prices are f.o.b. the works.

Barium Oxide—Prices are quoted lower for drums in carlots at 9c. per pound. Furnace run in one ton lots is priced at 10c. and 12c. per pound for ground 100 mesh. Smaller lots command 1c. per pound more. All prices are f.o.b. the works.

Barium Sulphide—Increased production has improved the supply position of this market and in some quarters, export orders can be booked on two week's notice. The export price depends on the quantity and container and conditions current at time of shipment.

Bauxite—Advices from Paramaribo, Surinam, state that the major producing company shipped 799,726 metric tons of bauxite in 1946, compared with 590,037 tons in 1945. Whether the present rate of production can be maintained in 1947 depends on general business and uninterrupted output schedules, it was stated.

Carbon Disulphide—March production was placed at 30,263,833 pounds by the Chemical Division of the Tariff Commission. Output in February amounted to 26,613,022 pounds.

Carbon Tetrachloride—Demand for additional quantities did not appear as active as noted a month ago. Backlog orders are taking production readily and supplies for immediate shipment were difficult to locate. Official statistics show March production at 17,829,918 pounds, against 17,664,871 pounds in February.

Copper Sulphate—Demand continued active at the turn of the month and a sizable amount of material has been moved to farms. The rush has taxed shipping facilities of major producers but stocks have been sufficient to meet requirements. Construction of a new basic copper sulphate plant is about completed and production is expected to start around June 15. Total exports during January amounted to 9,391,000 pounds, compared with 1,727,000 pounds in the preceding month and 8,760,000 pounds in January, 1946.

Salt—Advices from Bucharest state that arrangements have been completed for the purchase of 250,000 metric tons of table salt at $16.00 per ton. The Romanian government approved the transaction which is said to be the first major export to the United States since the war.

Salt Cake—Active extent of consuming demand has kept the supply position tight. Production of crude commercial in March was 50,907 tons, against 46,775 tons in the preceding month and 45,643 tons in March, 1946.

Soda Ash — Distribution to the major consuming industries appears to be showing gradual improvement. The movement is confined entirely to contract channels and the better distribution is attributed to the absence of important labor difficulties at producing plants and the allocation of more freight cars. The price differential for resale stock has been lessened by some relaxation in the export demand and the disposition of domestic buyers to restrict purchases to recognized suppliers.

Soda, Caustic — Heavy shipments against contract accounts have prevented any easement in the market's tight position. Consuming demand is considerably ahead of current production and the outlook at present is not favorable for any nearby easement. It is expected that shipments of liquid will increase late in the Summer when some of the plants under construction swing into operation. It was stated the export demand has lost some of its urgency and that the resale market has declined from its peak level.

Soda, Chlorate—Miscellaneous consuming demand has continued to overtax current production regardless of efforts to increase output. Buying conditions have remained tight, although a better allotment of boxcars has improved distribution.

Soda, Nitrite — Some easement in the supply condition is reported. The edge appears to be off the demand from the dyestuff industry although the inquiry from the meat-packers is sustained at a relatively high level.

Soda Phosphate—Output of meta in March was 2,741 tons, against 2,168 tons in February and 2,416 tons in March, last year. Production of tetra in March amounted to 4,252 tons, compared with 3,892 tons in the preceding month and 4,632 tons in March, 1946.

Soda Sulphate—Production of refined anhydrous in March amounted to 11,967 tons, compared with 10,468 tons in February and 12,191 tons in March last year which was the peak month of 1946.

Thorium Nitrate — Higher prices have been established for this chemical. The market is now quoted at $3 per pound packed in 144 pound cases f.o.b. the works. Sales are subject to license by the United States Atomic Energy Commission.

Acids

Acetic — Consuming demand for glacial has been sufficient to keep

For Late Market Developments, See Page 4

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production under pressure and buying conditions have remained tight. Chemical Division of the Tariff Commission placed March output of synthetic acid at 31,463,095 pounds, compared with 28,685,625 pounds in the preceding month. The amount of recovered acid in March amounted to 125,981,430 pounds, against 107,722,325 pounds in February. Output of natural registered 2,156,435 pounds in March, compared with 1,984,112 pounds in February. The latter includes acetic acid produced direct from wood and acid distilled from calcium acetate.

Formic—Current production is said to be insufficient to meet demand and the market supply condition is exceedingly tight at present with former prices fully sustained.

Oxalic—Producers have shipped all the acid possible against backlog orders but are still a substantial amount behind contract schedules. Continued tight buying conditions are the result of a decidedly unbalanced market.

Sulphuric Acid—Production appears to be well geared to demand at present. Tankcar and container shortages have continued to cause some irregularity of shipments but actual stocks have kept the market in a balanced condition. Consuming demand for industrial uses has been sustained at a high level.

Advices from Batavia state that production of pure sulphuric acid for chemical purposes is steadily increasing in the Netherlands held areas of Java and shortly will be sufficient to cover local requirements.

Non-Ferrous Metals

Brass Scrap—Prices declined during the month of May for brass ingots and with the decline it was revealed that stocks of scrap brass and scrap copper had increased substantially. It is stated that supply of heavy copper scrap has reached such a volume that custom smelters cannot find necessary storage space with the result that they have withdrawn from the market. It is reported also that custom smelters and brass ingot manufacturers have withdrawn as buyers of scrap brass and heavy copper wire scrap respectively.

Lead—Despite an advance in the price of lead to a new high of 15c. per pound, New York, on March 3, the average daily rate of lead output from domestic mines declined 52 tons (5 percent) from February, according to the Bureau of Mines. The March output, in terms of recoverable metal, was 31,442 short tons, 13 percent greater than the 1946 monthly average but 3 percent below the monthly average during 1945. Although the net production in the central states increased in March owing to the longer month, the average daily production rate declined from 482 tons to 461 tons. Output in the eastern states increased 51 tons (13 percent). In the combined western states the average daily rate of output decreased from 571 tons in February to 539 tons in March. Every state but Colorado and Washington reported a declining daily rate of output in March. Late in March the United Kingdom advanced the lead price in the home market to £90 per long ton (16.17 cents per pound), a rise of £20 over the price which has been in effect since January 1, 1947. The present London price exceeds the previous all-time high in 1920 by nearly £37. Mine production of lead in the United States in March amounted to 31,442 tons, against 29,850 tons in the preceding month and a monthly average of 27,706 tons in 1946.

Tin—Steps of a constructive nature have been taken by the Malayan government to restore their tin industry to a normal condition. The Malay states before the war are reported to have produced 75,000 tons of tin annually or about 35 percent of the world's tin supply.

Tungsten—London advices state that the ministry of supply has announced the withdrawal of fixed prices from tungsten ores and assert that future sales from ministry stocks will be made at prices which will be related to current market prices at the time of sale. The last fixed price was 115 shillings ($23) for enough ore to contain 22.4 pounds of tungsten metal.

Zinc Scrap—Operations at secondary zinc plants, which had declined in February, returned in March to the high level of activity attained in the closing months of 1946, according to the Bureau of Mines. Consumption of zinc scrap increased from 16,475 short tons in February to a record 19,977 tons in March, but the intake of scrap at consuming plants, 21,395 tons, was still higher, raising inventories to 35,090 tons. The March data thus

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substantiates the indications observed in February, that the decline was due to cold weather and the short month, rather than lack of demand for scrap. Production of secondary zinc in redistilled slab increased from 4,062 tons in February to 5,002 tons in March. There was little change in output of remelt spelter and remelt die-cast slab, which are minor items compared to redistilled slab.

Fertilizer Bill

—Continued from page 3

action of the senate committee on the legislation, it was apparent that at least two members—Senators Allen J. Ellener of Louisiana and Scott Lucas of Illinois—have not been completely won over by the Farm Bureau to the need for the legislation. Another questioner, who might be put down in the antagonistic column was Senator Harlan J. Bushfield of South Dakota, although he is one of the co-sponsors of the bill. His questioning indicated that he was not pleased with the idea of locating the plant in Mobile, Ala., when it is admitted that the great need for fertilizer is in the mid-west.

Senator Ellender opened up the question by asking Senator Hickenlooper why it was necessary for the government to put up the money for erection of the Mobile plant. Mr. Hickenlooper replied that it was felt that this was a very proper field for government to invest its funds because it contemplated investigation of new methods of producing fertilizer.

Precedent Cited.

"It is an experimental plant on a production basis," he said. "That is the justification for the government going into it. It is very unlikely that private investors would want to put in this great amount of money for experimental work. We have done this same sort of thing in connection with oil, steel and all manners of other things. But we have never done it in connection with fertilizer."

Senator Ellender remarked that Mr. Hickenlooper was in error; that there was a pilot plant in the Southeast producing high concentrated fertilizer. He added that it just did not look right to him for the government to be sending this fertilizer all over the country and he could not see why the farmers could not accept the word of the various experimental stations of the benefits of high concentrated fertilizers instead of the government being required to spend millions for demonstration work.

Senator Edward J. Thye of Minnesota, another co-sponsor of the bill, interposed to say that he agred that the demonstration part of the program should be considered further because he was not sure of the need for such a vast program as proposed. The bill provides that demonstration of the value of high concentrated fertilizers is to be carried out on two percent of the farms in each state.

Soil Fertility Depletion

Senator Lister Hill of Alabama, who next took the witness stand spoke of the rapid depletion of the fertility of the soil and why it is so essential to replenish the plant foods. He predicted that the program would double the use of fertilizers within five years which in turn would mean more business and bigger profits for the fertilizer industry. The bill would definitely benefit the fertilizer industry, he declared.

Senator Lucas raised the question whether the bill was not specifically placing the government into competition with private industry. He chided the Republicans for sponsoring a bill of this kind saying that he was surprised to find so many of his friends in the Republican party sponsoring a bill that was as "New Dealish" as anything brought up by the Democrats during the entire New Deal administration.

Phosphates Key Materials

Edward A. O'Neal, president of the American Farm Bureau Federation, opened the federation's arguments for the bill. He reviewed the long fight to obtain passage of the Tennessee Valley Authority Act and how it came to be realized that phosphates were the key to improved soil fertility in the South, rather than nitrates, and how beneficial have been the test demonstrations carried on by TVA. He said:—

"It's the things that we have seen happen in the TVA territory that make the Farm Bureau think farmers all over the country should have the opportunity to benefit from an educational program based on the locally administered test-demonstration plan. But there is a vast difference in fertilizers; some of it is rich in plant food, while some of it contains comparatively little. The average plant food content of mixed fertilizer is about 20 percent. So the farmer pays for shipping and handling five pounds of material in order to get one pound of plant food.

"The key to the whole problem is the supply of high analysis phosphate. But there isn't enough being produced today to let many farmers have the advantage of concentrated mixed fertilizers. The Farm Bureau feels that the production of an adequate supply of high analysis phosphate is the key to more effective and more economical improvement of the nation's farm land."

During the hearings, Ray Sorensen, manager of the Iowa Plant Food Company, Des Moines, told of the difficulties that his concern has encountered in endeavoring to obtain high concentrated fertilizers. The company was started two years ago and has a capitalization of $500,000 subscribed to by Iowa farmers.

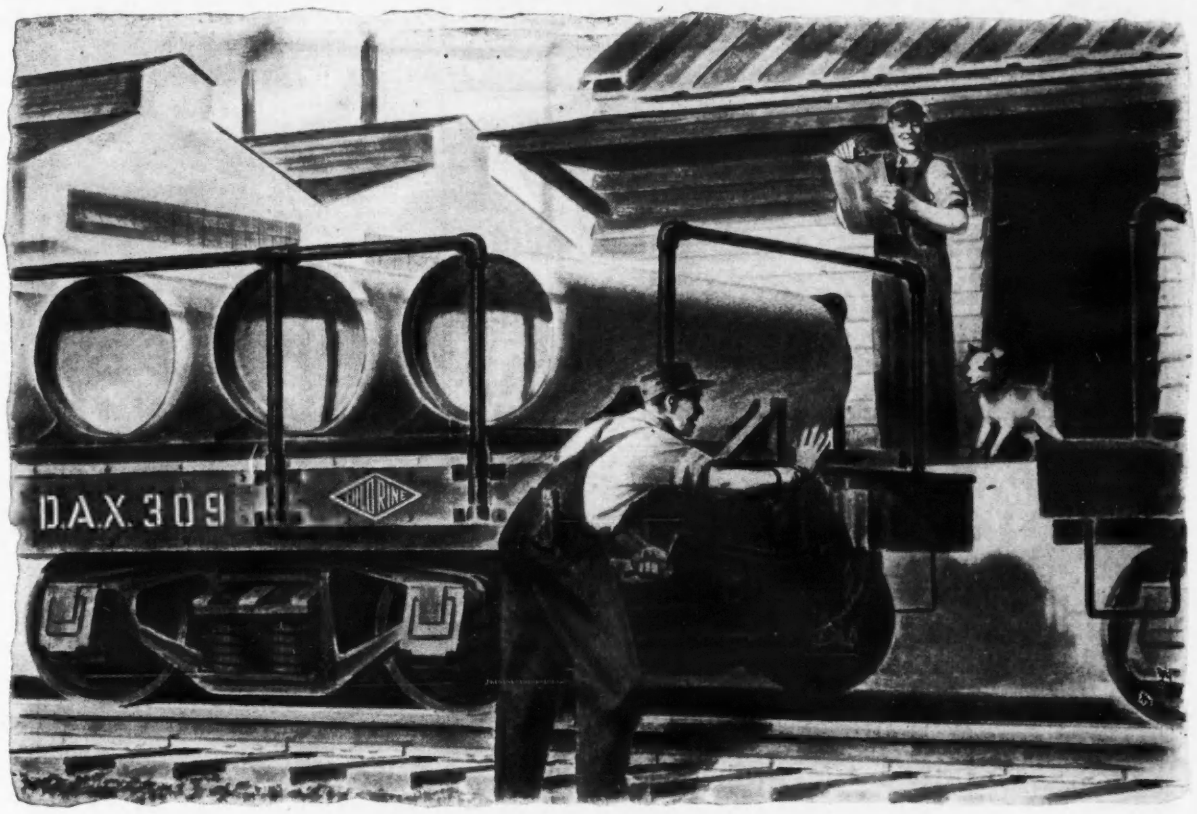
He said that the industry is supplying only a very small portion of the total available needs of triple superphosphate, and that he could not understand why production was not being increased since this was the type of fertilizer mostly desired. He said it would mean a savings to Iowa farmers of $70 a year (mostly in freight) if they were able to obtain their needed supplies of triple superphosphate in place of the low analysis materials made available by industry.

When asked whether he favored the government getting into the production of fertilizers, even if industry fails to produce the types of fertilizers desired by the farmers, Mr. Sorensen replied in the negative. He said that he favored the government producing the high analysis material only in quantities sufficient for the demonstration program. If industry fails to respond to the demands of the farmers, he had no doubt the farmer cooperatives would get into the production of the high concentrated material.

He could give no definite answer, however, to a question of Senator Clyde Hoey, of North Carolina, as to why it was necessary for the government to get into the production of the high concentrate and conduct vast demonstration programs if the farmers already know the need and value of the high grade fertilizers.

During the course of the hearings, Senator George Aiken, of Vermont, in effect, accused the fertilizer industry of refusing to meet its responsibilities. He charged that the industry permitted the governments surplus nitrogen plants to remain idle for nearly two years before showing any interest in acquiring them and then only five of the sixteen were taken over. His accusations brought loud rumblings of disagreement from the industry men in the room, who no doubt will refute such charges at their first opportunity next week.

The committee also heard a number of other representatives of the American Farm Bureau in support of the bill, including Thomas J. Hitch, President of the Tennessee Farm Bureau; Richard Stephens, farmer from Crawfordsville, Iowa; H. A. Praeger, President, Kansas Farm Bureau, and N. J. Volk, head of the Department of Agronomy and associate director of the Purdue University agricultural experiment station.



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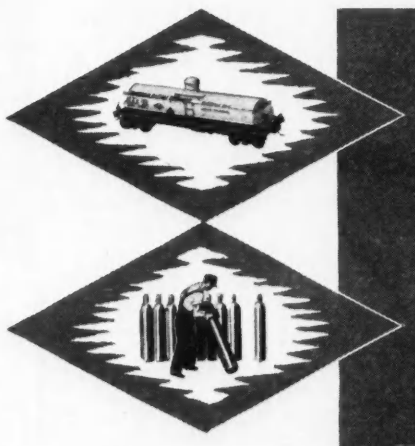

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CALCIUM CARBONATE—100 bgs, Gerhard & Hey, London—100 bgs, United States Line, London
CARAWAY SEED—100 bgs, C M Van Sillevoldt, Rotterdam—100 bgs, R L Friedler, Inc, Rotterdam
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CASTOR OIL—498 dms, Bunge Corp, Recife—386 dms, East Asiatic Co, Santos
CELLULOSE ENAMEL—1 cs, E I Du Pont de Nemours & Co, London
CERAMIC COLORS—2 cs, 2 cks, B F Drakenfeld & Co, Liverpool—20 cs, Croxhall Chemical & Supply Co, Liverpool
CETYL ALCOHOL—40 cs, Orbis Products Corp, Liverpool
CHALK, PRECIPITATED—550 bgs, H J Baker & Bro, Liverpool
CHICLE GUM—249 bls, Chicle Development Co, Puerto Barrios—713 bls, Peter Paul, Inc, Tampico
CHINA CLAY—29 cks, Eagle Pencil Co, Rotterdam
CHROME ORE—1,000 tons, 15 cwt, Frank Samuels Co, Lourenco Marques
CINCHONA BARK—708 bgs, Reconstruction Finance Corp, Puerto Barrios—50 cs, Guaranty Trust Co, Rotterdam
CITRIDORA OIL—10 cs, Fritzsche Bros, Santos
CITRONELLA OIL—14 dms, J Berlage & Co, Singapore—17 dms, Colombo Trading Society, Inc, Penang—4 dms, Dodge & Olcott Co, Puerto Barrios—1 dm, Norda Essential Oil & Chemical Co, Puerto Barrios
COBALT, GROUND—103 dms, African Metal Corp, Lobito—Ingots, 5,080, African Metal Corp, Lobito—Metal, 200 cks, African Metal Corp, Antwerp—Oxide, 215 cks, African Metal Corp, Antwerp
CODFISH OIL—1 dm, Silmo Chemical Corp, St Johns
CODLIVER OIL—4 dms, Silmo Chemical Corp, St Johns
COPAL GUM—190 bgs, S Winterbourne & Co, Manila—149 bgs, Kennedy, Butcher & Co, Manila—96 bgs, France, Campbell & Darling, Manila—51 bgs, Gillespie-Rogers-Pyatt Co, Manila—149 bgs, O G Innes Corp, Manila—75 bgs, W H Scheel, Manila
COPRA—575 tons, Southern Cotton Oil Co, Manila—3,500 tons, Manila—500 tons, Spencer Kellogg & Sons, Romblon
CORIANDER SEED—K I Litster, Toronto, Buenos Aires
COTTONSEED HULL FIBER—664 bls, Hercules Powder Co, Santos
CRESYLIC ACID—6 dms, Schenectady Varnish Co, Liverpool—100 dms, American Cyanamid & Chemical Corp, Liverpool—243 dms, Monsanto Chemical Co, Liverpool—118 dms, Manchester—50 dms, Republic Chemical Co, Liverpool—79 dms, Liverpool
CUBE ROOT—76 bls, Morris Hess & Co, Callao
CUTTLEFISH BONES—9 cs, E J Berger & Stauff, Manila
CYANIDE, PRECIPITATED—7 cs, American Metal Co, Puna
CYMBARUM OIL—23 dms, Dodge & Olcott Co, Itajai—22 dms, Orbis Products Co, Itajai—171 dms, Geismar & Co, Itajai—22 dms, Magnus, Mabee & Reynard, Itajai—11 dms, Magnus, Mabee & Reynard, Rio de Janeiro—45 dms, Lo Curto & Funk, Rio de Janeiro—20 dms, Ungerer & Co, Rio de Janeiro
DAMMAR GUM—420 bgs, American Cyanamid & Chemical Co, Singapore—70 bgs, Gillespie-Rogers-Pyatt Co, Singapore—140 bgs, Thurston & Braidich, Singapore—280 bgs, O G Innes Corp, Singapore—210 bgs, A J Wittenberg Corp, Singapore—210 bgs, H P Winter & Co, Singapore—70 bgs, U S Industrial Chemical Co, Inc, Singapore
DERRISROOT—74 bls, Donnell & Co, Singapore
DIESEL OIL—21,637 bbls, Asiatic Petroleum Corp, Curacao
DYES, ANILIN—53 dms, Ciba Co, Antwerp—21 kgs, 7 dms, Irving Trust Co, Manchester
ELEMI GUM—5 dms, W H Scheel, Manila
FENNEL SEED—174 bgs, Levy & Levis Co, Bombay—87 bgs, R F Downing & Co, Bombay
FENUGREEK SEED—336 bgs, W E Martin Co, Bombay
FERTILIZER—1,000 bgs, H J Baker & Bro, Guayaquil
FLOWERS, MEDICINAL—22 bls, S B Penick & Co, Callao
FLUORSPAR—16 cs, Ward Natural Science, Rochester, Liverpool
FUEL OIL—104,000 bbls, Standard Oil N J, Aruba—152,207 bbls, Asiatic Petroleum Corp, Curacao
GALL—11 trcs, 1 bbl, Buenos Aires
GALLNUTS—168 bgs, Mallinckrodt Chemical Works, Shanghai
GAS OIL—117,481 bbls, National Oil Corp, Tampico
GLANDS—49 cks, The Difco Laboratories, Buenos Aires—8 cks, Wilson Laboratories, Buenos Aires—12 bbls, Universal Transcontinental Corp, Buenos Aires
GLYCERIN—1,000 dms, E I du Pont de Nemours & Co, Bombay—5 dems, Globe Shipping Co, Rotterdam
GUM, VEGETABLE—5 cs, L A Dreyfus Co, Bahia
GYPSUM—2,681 tons, National Gypsum Co, Walton—306 bgs, L A Salomon & Bros, Liverpool
HENBANE LEAVES—44 bls, Inland Alkaloid Co, Alexandria—14 bls, Alexandria
HERBS, MEDICINAL—17 bls, S B Penick & Co, Buenos Aires
IPECAC ROOT—5 pkgs, Parke, Davis & Co, Detroit, Puerto Limon—13 bgs, Wessel, Duval & Co, Cartagena
IRON OXIDE—300 bbls, J Lee Smith & Co, Malaga—84 bbls, Landers-Segal Color Co, Malaga—40 bbls, Theo H Drutz Co, Malaga—120 bbls, Reichard Coulston, Inc, Malaga—120 bbls, South Chemical & Color Co, Malaga—200 bbls, C K Williams & Co, Malaga—143 bbls, Whittaker, Clark & Daniels, Malaga
KARAYA GUM—114 bgs, Innis, Speiden & Co, Bombay—67 bgs, The Tragacanth Importing Co, Bombay—114 bgs, Wm M Allison & Co, Bombay
KYANITE—1,215,200 lbs, Golwynne Chemical Corp, Mombasa
LAUNDRY TINT—6 bbls, Liverpool
LEAVES, MEDICINAL—6 bbls, S B Penick & Co, Genoa
LEMONGRASS OIL—3 dms, Fritzsche Bros, Puerto Barrios
LICORICE ROOT—9,233 bls, MacAndrews & Forbes, Iskenderum
LIQUIDAMBAR—1 dm, Cortez Trading Co, Puerto Cortes—2 dms, D L Kattam, Puerto Cortes
LITHARGE—141 dms, Asiatic Petroleum Corp, Tampico
LOCUST BEAN GUM—20 bgs, Jacques Wolf & Co, Antwerp
MAGNESIA CARBONATE—50 cs, Lo Curto & Funk, Liverpool
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MOLASSES—457 tins, W R Grace & Co, Salaverry
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NAPHTHALENE — 1,000 bgs, Reichhold Chemical Co, Detroit, Antwerp
NICKEL OXIDE—70 dms, Spencer Chemical Co, Manchester
OLIVE OIL—330 dms, Bonoil Packing Co, Tarragona—165 dms, Saramelli & Co, Tarragona—166 dms, J A Kirsch Co, Tarragona
OURICURY WAX—112 bgs, Wax & Rosin Products, Bahia
PALM OIL—2,192 tons, Balfour, Guthrie & Co, Matidi
PAPAIN—41 cs, American Ferment Co, Mombasa
PAPRIKA—300 bgs, R T French Co, Alicante—400 bgs, J Weinstein, Alicante—150 bgs, W A Porazzi & Co, Alicante—100 bgs, Alicante
PARANITROCHLORBENZENE — 6 dms, Ciba Co, Manchester
PATCHOULI OIL—1 dm, Geo Lueders & Co, Mombasa—1 dm, Eric Coupey, Mombasa—1 dm, Irving Trust Co, Mombasa—1 dm, A Chiris Co, Mombasa—1 dm, New York Trust Co, Mombasa
PEPPER, BLACK—420 bgs, International Credit Handel, Singapore—2 bgs, Reichhold Chemical Co, Inc, Singapore—White, 2 bgs, L N White & Co, Manila
PERILLO GUM—54 cs, 94 bgs, Chicle Development Co, Buenaventura
PETITGRAIN OIL—3 dms, J D Walsh, Montevideo
PETROLEUM, CRUDE—103,021 bbls, Gulf Oil Corp, Las Piedras—129,043 bbls, Imperial Oil, Ltd, Puerto La Cruz—126,406 bbls, Standard Oil Co N J, Puerto La Cruz—105,439 bbls, Standard Oil Co N J, Caripito—193,702 bbls, Standard Oil Co N J, Cartagena—103,519 bbls, Texas Co, Curacao
PLANTS, MEDICINAL—2 bls, R J Prentiss & Co, Buenos Aires—6 bls, J L Hopkins & Co, Buenos Aires
POPPYSEED—100 bgs, Louis Furth, Inc, Rotterdam—100 bgs, C M Van Sillevoldt, Rotterdam—100 bgs, Biddle Purchasing Co, Rotterdam
POTASH CHLORATE—200 dms, Charles Hardy, Inc, Antwerp
PYRETHRUM FLOWERS—125 bls, Allaire, Woodward & Co, Peoria, Mombasa—250 bls, Westinghouse Electric International Co, Dar-Es-Salaam—250 bls, John Powell & Co, Dar-Es-Salaam—Root, 24 bgs, Peek & Velsor, Casablanca
QUEBRACHO EXTRACT—2,951 bgs, Chilewick Sons & Co, Buenos Aires—15,295 bgs, River Plate Import & Export Corp, Buenos Aires
ROSADINHA GUM—62 cs, Herman Weber & Co, Para—20 cs, Otis Astoria Corp, Para
ROSE OIL—2 dms, Canadian Bank of Commerce, Rio de Janeiro
ROSEWOOD OIL—6 dms, Van Ameringen-Haebler, Inc, Para—11 dms, Norda Essential Oil & Chemical Co, Para
SACCHARIN PARA—1 bx, R W Greef & Co, Rotterdam
SAPONIN—20 dms, 2 bbls, Ciba Co, Antwerp
SARSAPARILLA ROOT—2 bls, Peek & Velsor, Puerto Cortes
SHARK LIVER OIL—75 dms, Week-Nibecker, Inc, Buenos Aires—4 dms, Karr, Ellis & Co, Buenos Aires—40 dms, United National Relief, Havana
SILICON CARBIDE—735 bgs, 197 cks, D C Andrews & Co, Oslo
SOAPBARK—116 bls, Grace Bros, San Antonio
SODA CARBONATE MONOHYDRATE—500 dms, Yardley & Co, Liverpool—300 bgs, Liverpool
SODA SILICOFLUORIDE—150 bgs, American Cyanamid & Chemical Corp, Aarhus—150 bgs, Hummel Chemical Co, Aarhus—250 bgs, E M Sergeant Pulp & Chemical Co, Copenhagen
SORVA — 249 cs, Astoria Pan Americana, Inc, Para—144 cs, T A Desmond & Co, Para—100 cs, Otis Astoria Corp, Para
TALC—470 bgs, Whittaker, Clark & Daniels, Bombay
TANKAGE—500 bgs, Wessel, Duval & Co, Montevideo—Liver, 3,000 bgs, Buenos Aires—1,200 bgs, Swift & Co, Buenos Aires—Liver & Glandular, 986 bgs, International Commercial Co, Inc, Chicago, Buenos Aires—586 bgs, International Commercial Co, Chicago, Montevideo
TAPIOCA FLOUR—2,000 bgs, American Key Products, Inc, Parnaba—100 bgs, Bank of Montreal, Rio de Janeiro—595 bgs, Stein, Hall &Co, Santos—166 bgs, Taggart Corp, Itajal
TARA—565 cs, Asher, Kates & Co, Callao—125 bgs, Zinsser & Co, Callao—356 bgs, Establecimientos Amer Gratry, Salaverry
THEOBROMINE — 2 bbls, Constantine A Damberger, Santos
THYROID POWDER—12 cs, Gerder-Fanto Corp, Buenos Aires
TUCUM KERNELS—3,076 bgs, General Food Corp, Parnaiba—23,586 bgs, E F Drew & Co, Parnaiba—3,333 bgs, E F Drew & Co, Sao Luiz do Maranhao
TUNG OIL—3,490 dms, Universal Trading Corp, Shanghai—255 tons, W G Smith Co, Clevelani, Hongkong—92 tons, Balfour, Guthrie & Co, Hongkong
TUNGSTEN ORE—1,999 bgs, African Metal Corp, Matadi
VALONIA CUPS—7,735 bgs, Barkey Importing Co, Istanbul
VANADIUM ORE—1,460 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—60 cs, McCormick & Co, Vera Cruz- Cuts, 51 cs, McCormick & Co, Vera Cruz
VERMICULATE—350 bgs, Philipp Bros, Lourenco Marques—204,280 lbs, Standard Bank South Africa, Lourenco Marques—1,000 bgs, Philipp Bros, Ins, Lourenco Marques—1,027 bgs, General Commercial Acceptance, Lourenco Marques—419 tons, Watson, Geach & Co, Lourenco Marques
WATTLE BARK—7,431 bls, Hammond & Carpenter, Durban—Extract, 3,710 bgs, Vermilye Co, Durban—1,477 bgs, River Plate Import & Export Corp, Durban—984 bgs, M S Kattenhorn & Co, Durban—6,735 bgs, American Cyanamid & Chemical Corp, Durban
ZINC DROSS—32 dms, 9 bbls, Wedeman & Godknecht, St Johns—Oxide, 2,000 bgs, Tampico

Baltimore

ASBESTOS—500 bgs, Philadelphia National Bank, Lourenco Marques

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MANGANESE ORE—8,903,600 lbs, E J Lavino & Co, Durban
MICA WASTE—500 bgs, Richmond Mica Corp, Lourenco Marques
WATTLE BARK—3,915 bls, American Dyewood Co, Durban—Extract, 3,150 bgs, Vermilye Co, Durban—1,896 bgs, American Dyewood Co, Durban—979 bgs, River Plate Import & Export Corp, Durban

Boston

BONES—2,157 bgs, Charles Hollinshed & Co, Montevideo—1,136 bgs, International Commercial Co, Chicago, Montevideo
DEXTRIN—250 bgs, F R Dolan, jr, Rotterdam
MICA WASTE—500 bgs, F D Pitts Co, Lourenco Marques
QUEBRACHO EXTRACT—6,570 bgs, First National Bank, Buenos Aires

Philadelphia

ARSENIC—111 bbls, Philipp Bros, Gdynia
BONES—4,273 bgs, Baugh & Sons Co, Buenos Aires—1,207 bgs, American Agricultural & Chemical Co, Santos—790 bgs, Baugh & Sons Co, Casablanca
CANARY SEED—550 bgs, R T French Co, Casablanca
CODLIVERS—200 cks, H K Wampole & Co, Bergen
CHROME ORE—3,005 tons, Mutual Chemical Co, Lourenco Marques—999 tons, Frank Samuels & Co, Lourenco Marques
CRESYLIC ACID—200 dms, Concord Chemical Co, Liverpool—100 dms, G A Street Co, Liverpool
DYES, ANILIN—1 dm, Nicetown Dyeworks, Liverpool
GLYCERIN—281 dms, Judson-Sheldon Corp, Buenos Aires—103 dms, First National Bank, Montevideo—182 dms, Reichhold Chemical, Inc, Buenos Aires—30 dms, Sharp & Dohme, Buenos Aires
MANGROVE BARK—2,735 bgs, Bingham & Co, Zanzibar—409 bgs, J Henry Schroeder Banking Corp, Zanzibar
SODA SILICOFLUORIDE—160 bbls, H Kohnstamm & Co, Copenhagen
TALC—286 bgs, Charles Mathieu, Inc, Genoa
WATTLE BARK—2,200 bls, Bank of New York, Durban—2,750 bgs, River Plate Import & Export Corp, Durban—Extract, 478 bgs, River Plate Import & Export Corp, Durban—4,337 bgs, Bank of New York, Durban

San Francisco

ARGOLS—336 bgs, Bank of California National Assn, Lisbon

A.D.M.A. Meeting

—Continued from page 4

dianapolis; "Diphtheria Toxoid and Tetanus Toxoid," Frank G. Jones, Eli Lilly; "Control Testing of Biological Products," E. G. Gerwe, E. R. Squibb; "Multiple Antigens," J. F. Norton, Upjohn Company, Kalamazoo, Mich.; "Laboratory Animals Used in Standardization Tests," H. D. Piersma, Lederle Laboratories, Pearl River, N. Y.; "Virus Products," Herald R. Cox, Lederle Laboratories, and "Active Immunization against Tuberulosis," Dr. Byron J. Olson, U. S. Public Health Service.

The general program, which will get underway on the second day, is as follows:—

Tuesday, June 10

Address of president, John S. Zinsser, Sharp & Dohme, Inc., Philadelphia; reports of the executive vice-president and secretary, Carson P. Frailey; report of the treasurer, Melvin C. Eaton, Norwich Pharmacal Company; report of the legislative section, Leslie D Harrop, Upjohn Company

Wednesday, June 11

Report of the foreign trade section, George H Sibley, E R. Squibb; report of the scientific section, J. Bryant Fullerton, Upjohn Company; report of the biological section, William E. Bunney. E. R. Squibb; "The Lanham Trade Mark Act and its Impact on the Drug Industry," Walter J. Derenberg, trademark counsel to the Commissioner of Patents.

Thursday, June 12

Report of the pharmaceutical contact section, F. O. Taylor, Parke, Davis & Co.; report of the midical adviory section, Dr. E. A. Sharp, Parke, Davis & Co.; report of the transportation section, Frank P. Campbell, Abbott Laboratories; report of the accounting section, J. B. Vanderberg, Upjohn Company; report of the production and engineering section, E. A. Ravenscroft, Abbott Laboratories; "Changing Labor Relations," Donald R. Richberg.

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Textile and Leather Chemicals

Market for sizing materials was firm, as a result of the increased cost of corn which was reflected in the recent advance of corn dextrin and starch prices. Production of these materials continued at capacity, and was delivered against current contracts. Exporters who have been purchasing resale cornstarch at premiums, have reduced interest and bids for this product. Potato starch was in tight supply and with the output for the season at an end, the market was firm, with demand active. Trading in wheat starch was less active for export and business was reported at fractional price declines. Interest in tapioca flour for shipment from Brazil continued slow and the market was entirely nominal. Offerings for shipment were liberal, with importers bids reported still below shippers—asking quotations.

Business in tanning materials was reported slow, with tanners showing a good inquiry for quebracho and wattle extracts replacements, while they were practically out of the market for other materials. Quebracho was in good demand for nearby delivery and the market was firm, owing to limited offers for shipment. Shipping rates on this material were increased 10 percent, June 1 to about $31 per ton. A good inquiry continued for wattle bark and extract and with limited offerings for shipment, the market remained in a firm position.

Chemicals

Acetic Anhydride — Higher prices have been made effective for this chemical. Tanks are priced at 11c. per pound; drums, carlots, 13c., and smaller quantities, 14½c., delivered in the East.

Bichromates — Deliveries against contracts moved in good volume against contracts. Supply conditions continued tight. Interest in resale material has lagged and recent sales were reported at lower prices.

Sulphonated Oils—Trading was confined to small lots for actual needs, owing to the reduced textile output. Prices were unsteady and more or less nominal.

Zinc Dust—Production of zinc dust was placed at 2,102 tons in February, against 2,740 tons in January by the Bureau of Mines. Stocks at the end of February were 1,735 tons against 2,123 tons for the previous month.

Sizing Materials

Albumen, Blood—Small lot trading was limited to immediate requirements. Stocks were reported adequate to cover current demand.

Albumen, Egg—Activity in this market was limited to small quantities for immediate delivery. Lack of volume buying has weakened the market for carlots, and firm bids, it was stated, could have shaded quotations for granular. Small lots were quotably unchanged at $1.95 to $2 per pound, depending upon quantity. Good quality technical grades was unchanged, ranging from $1.15 to $1.20 per pound, for moderate lots. In the second half of 1947 egg production probably will be moderately below the last half of 1946, it was indicated by the Bureau of Agricultural Economics. Stocks on July 1 will be significantly less than a year ago. Supplies per person will be about 10 percent below the second half of 1946 and about 20 percent less than the first six months of this year. Consumption the first four months of 1947 was about 140 eggs per person, higher than any comparable period except possibly 1945. Egg prices will average higher for the remainder of 1947 than for the same period last year. Prices received by farmers in mid-April averaged 40.8c. per dozen, 9.5c. above April 15, 1946, and a record for the month. In most years egg prices in November and December are about 35 to 40 percent higher than in May and June. If there is a downturn in business activity they will not increase that much this year.

Dextrin, Corn—Market was steady at the recent advance of 50c. per pound for all grades. Active demand continued to take the output on former contracts.

Egg, Yolk—Trading was reported of hand to mouth nature. Stocks were more liberal and adequate to cover recent light buying. Prices were fairly steady and unchanged at $1.20 to $1.25 per pound, depending upon quantity.

Sago Flour—Interest in offers for shipment from primary markets at 7c. to 7¼c. per pound, c.i.f. New York, attracted little buying interest and the market was dull and featureless.

Starch, Corn — Prices remained steady at the recent advance of 50c. per 100 pounds. Active demand continued to absorb the capacity production against previous contracts. Inquiry for export was light and trading in resale material was less active than during the past few weeks.

Starch, Potato—Consuming demand was fairly active for domestic and export account. Stocks were scarce and the market firm. Production has ceased for the season. Carlots were quoted at 8¾c. per pound, New York basis. The House Rules Committee approved May 18, a resolution authorizing the House Agriculture Committee to investigate the possibility of eliminating the nation's annual potato surplus by converting it into flour.

Starch, Wheat—Export inquiry was moderate and not as keen as earlier in the month. Sales for export were made at 8c. per pound, carlots, a decline of ½c. below previous trading levels.

Tapioca Flour—Buying interest continued slow. Offers of new crop flour from Brazil were liberal with trading slow. Good quality flour was unchanged at 7c. to 7¼c. per pound, f.o.b. southern Brazil. Demand for stocks in the local market was inactive and quotations were merely nominal at 5¾c. to 10c. per pound, according to, quality and quantity.

Tanning Materials

Chestnut Extract—Outside of a good demand on previous orders, trading was reported quiet last week. Prices were unchanged and fairly steady.

Divi Divi—While inquiry for nearby delivery was fairly active, scarcity of offerings for shipment continued to restrict business. Prices were more or less nominal at former levels.

Gambier—Market was quiet. Offers for shipment were steady and quoted on the basis of 21c. to 23c. per pound, exdock.

Mangrove Bark—There was a little interest in replacements last week. Primary markets were reported unchanged with prices nominal for shipment.

Myrobalans—Business was inactive and shipments were unchanged and steady—at former quotations. Tanners showed only limited interest in replacements.

Quebracho Extract—Offers for shipment were reported limited and the market remained steady. Tanners showed a good inquiry for replacements. Prices were unchanged. Shipping rates were advanced 10 percent to about $31 per ton, June 1. Arrivals of extract totaled 24,815 bags at Atlantic ports last week and were delivered against prior contracts.

Valonia—Buying interest was quiet. Tanners inventories were said to be adequate for requirements during the next two months. Prices for shipments were nominal at former levels.

Wattle Bark—Arrivals totaled 16,296 bales of bark and 23,740 bags of extract at Atlantic ports last week for delivery on prior contracts. Offers for shipment continued light and with demand active, primary markets remained firm.

Market Trends

Prices Advanced

Acetic anhydride, 1½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
312.2	312.2	315.1	288.4

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

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Coaltar Chemicals

Steel operations for last week were scheduled at .7 percent below the previous week, but marked the twenty-first consecutive week that they were above the ninety percent mark.

Market for coaltar chemicals during the week showed no important changes over the conditions that have been prevailing for some time, with most products still in short supply and demand holding up to former levels in most quarters.

Benzol, cresylic acid and naphthalene were all reported to be in insufficient supply to meet the heavy demand, and crude coaltar and creosote oil continued in very tight supply. Toluol and some grades of pyridin were said to be in relatively free supply and the market for xylol continued to be in good balance.

The overall market picture with regard to hydrogenated solvents, coaltar acids and other intermediates remained substantially unchanged, with most products in tight to moderate supply and phthalic anhydride still extremely short.

Steel operations for the week beginning May 26 were scheduled at 95.4 percent of ingot capacity, compared with 96.1 percent in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 96.4 percent and the rate for the corresponding week in 1946 was 43.6 percent. The present schedule is equivalent to the production of 1,669,400 tons of ingots and castings, compared with 1,681,700 tons for the preceding week and 768,400 tons for the corresponding week last year.

Production figures appearing below, unless otherwise designated, are from the Chemical Division of the Tariff Commission and refer to coaltar distillates.

Basic Products

Benzol—Supplies continued to be insufficient to meet the demand and activity in the market was maintained at a high level. Production of the motor grade by tar distillers during March totaled 695,067 gallons, compared with 712,333 gallons in February and 686,277 gallons in January. Production of all other grades for March registered 97,279 gallons, against 1,999,400 gallons in February and 1,828,171 gallons in January.

Creosote Oil—Market position materially unchanged from previous weeks, with supplies tight in the face of heavy demand. Output during March totaled 11,284,949 gallons, compared with 11,691,769 gallons in the preceding month and 10,696,738 gallons in January.

Cresylic Acid—Continued to be in extremely tight supply and producers were unable to meet all requirements. Production of the refined product during March totaled 2,234,164 pounds, compared with 2,141,772 pounds in February and 2,094,021 pounds in the preceding month.

Naphthalene—Demand was high for all grades of this material, with supplies reported to be extremely tight. Production of the crude solidifying at less than 79° C. during March was registered at 25,021,932 pounds, as compared to 17,092,237 pounds in February and 18,713,959 pounds in January. Output of the refined solidifying at 79° C. and over totaled 8,105,233 pounds, against 7,884,167 pounds in the preceding month and 8,690,728 pounds in January.

Phenol—Output continued to be absorbed as fast as it could be produced, and supplies were reported to be very tight. Production of all grades during March was reported at 21,410,584 pounds, compared with 15,731,032 pounds produced during February and 18,570,782 pounds in January.

Pyridin—Very little change noted from previous weeks, with the pharmaceutical grades reported to be in very short supply and some of the so-called denaturing grades in relatively free supply. Firm prices showed no changes during the period under review.

Toluol—Reported to be in fairly free supply, with demand holding up to former levels. Production during March totaled 2,520,291 gallons, compared with 3,143,378 gallons produced in February and 2,977,737 gallons in the previous month.

Xylol—Reported to be in fair supply, with demand about on a par with the output. Output during March was registered at 5,500.384 gallons, compared with 4,102,607 gallons produced during February and 3,741,277 gallons produced in January.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
133.8	133.8	133.0	127.3

(For Current Prices see Page 9)

Coaltar Acids

Anthranilic—Tight supply conditions continued to hold sway over this acid, with the technical grade somewhat freer than the resublimed. No changes in quotations were reported during last week.

Fumaric—Production was still unable to meet the high demand, with almost the entire output being channeled to regular contract accounts in the synthetic resin industry.

Gamma—The dyestuff industry continued to absorb most of the output of this acid, effectively preventing any improvement in the tight supply conditions. No price changes were noted during the period under review.

Maleic—Buying conditions remained tight as production continued to be over-taxed by the high demand from the protective coatings and synthetic resins industries.

Other Intermediates

Anilin Oil—March production was at the highest level for any month in the first quarter. The total registered 9,403,327 pounds, compared with 8,458,738 pounds in the preceding month. Distribution of this intermediate has improved and buying conditions are more favorable than noted a month ago.

Metaparacresol—Output of this material in March amounted to 554,430 pounds, compared with 442,861 pounds. March production was higher than for any month in the first quarter.

Monochlorobenzene—Heavy consuming demand has kept the supply situation tight. Like some other intermediates, production was stepped up in March to 25,691,394 pounds, compared with 22,224,220 pounds in the preceding month and 25,352,344 pounds in January.

Orthometaparacresol—Output registered a decline in March. Production was placed at 644,173 pounds, compared with 724,387 pounds in February and 664,522 pounds in January.

Phthalic Anhydride—Market supply position has continued tight with shipments behind schedule and heavy backlog orders waiting to be satisfied. There appeared to be no relaxation in demand for synthetic resins and other finishes of the enamel type. A steady call was also noted for use in the manufacture of anthraquinone. Present capacity is said to be regulated by the amount of crude naphthalene available. Production in March was placed at 11,689,912 pounds, compared with 10,846,590 pounds in the preceding month and 11,687,485 pounds in January.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended May 24 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,168,576
Ammonia sulphate	lbs.	30,259,968
Benzol	gals.	3,813,248
Coaltar	gals.	14,145,920
Creosote oil	gals.	787,251
Naphthalene, crude	lbs.	1,869,721
Phenol	lbs.	221,414
Toluol	gals.	762,649
Xylol	gals.	172,221

For Late Market Developments, See Page 4

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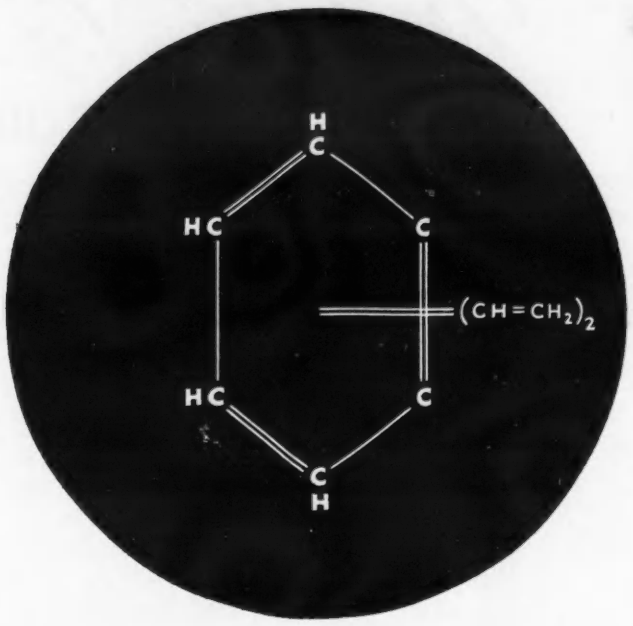

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Photographic Chemical Processes Revealed

OPD Washington Bureau

Processes used by I. G. Farbenindustrie in the production of photographic chemicals are fully described in a report recently issued by the Office of Technical Services, Department of Commerce.

Orders for the report, PB-49987 ("Manufacture of Photographic Developing Substances at I. G. Farbenfakrik, Wolfen"; microfilm, $1; photostat, $3; thirty-three pages) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Syracuse Chemists Elect Officers

Syracuse section of the American Chemical Society has elected Frank W. Staab, jr., senior research chemist of the Bristol Laboratories, Inc., chairman for 1947-1948, to succeed Dr. Donald J. Saunders, of the Solvay Process Company.

Other new officers named were Dr. Otto Kay, of Solvay, vice-chairman; Dr. S. B. Binkley, assistant director of research of Bristol Laboratories, secretary, and Dr. Frank A. Kanda, instructor at Syracuse University, treasurer.

Corning Glass Acquires Colombian Interest

Corning Glass Works, Corning, N. Y., has purchased a minority interest in Cristaleria Peldar S. A., of Columbia, South America, as a step in its program of expansion in that continent.

Styrene Copolymer Was Meant

An item in the May 12 issue, because of unclear wording, has given the impression that the Rohm & Haas Company, although making reductions, were still quoting styrene molding powder at unusually high prices: —The fault was that the prices mentioned are those for the company's modified styrene copolymer molding powder, 'Plexene M,' which is said to have better heat-resistance, strength, weathering properties, machinability, and chemical resistance than a straight polystyrene powder. The new prices on this copolymer range from 63 cents to 75 cents per pound, depending on quantity.

Carbide & Carbon Offers Booklet on Glycols

Carbide & Carbon Chemicals Corporation, a unit of Union Carbide & Carbon Corporation, New York, has published "Glycols," newest booklet in a group series. It presents in detail the properties, specifications and uses of ethylene glycol, diethylene glycol, thiodiglycol, triethylene glycol, propylene glycol, dipropylene glycol, and ethylhexanediol. Copies may be obtained by asking for Form 4763 at any office of the company.

'Freon' Shipments To Be Speeded

Kinetic Chemicals, Inc., Wilmington, has a new plan to speed the return of empty cylinders for "Freon" fluorine refrigerants in order to expedite its further shipment. Under the plan, credit or refund will be made by Kinetic to anyone who returns the cylinders directly to it. The policy will no longer be to allow credit only to the national distributors or machine manufacturers who originally made a deposit on the cylinders.

Solvay Sales Moves N.Y. Branch Office

Solvay Sales Corporation, manufacturer of alkalies, New York, has announced that the New York branch office has moved from 40 Rector street to 43 Exchange place. The New York branch office serves southern New York, Long Island and New Jersey. The executive offices will remain at 40 Rector street.

Bethlehem

Coal Chemicals

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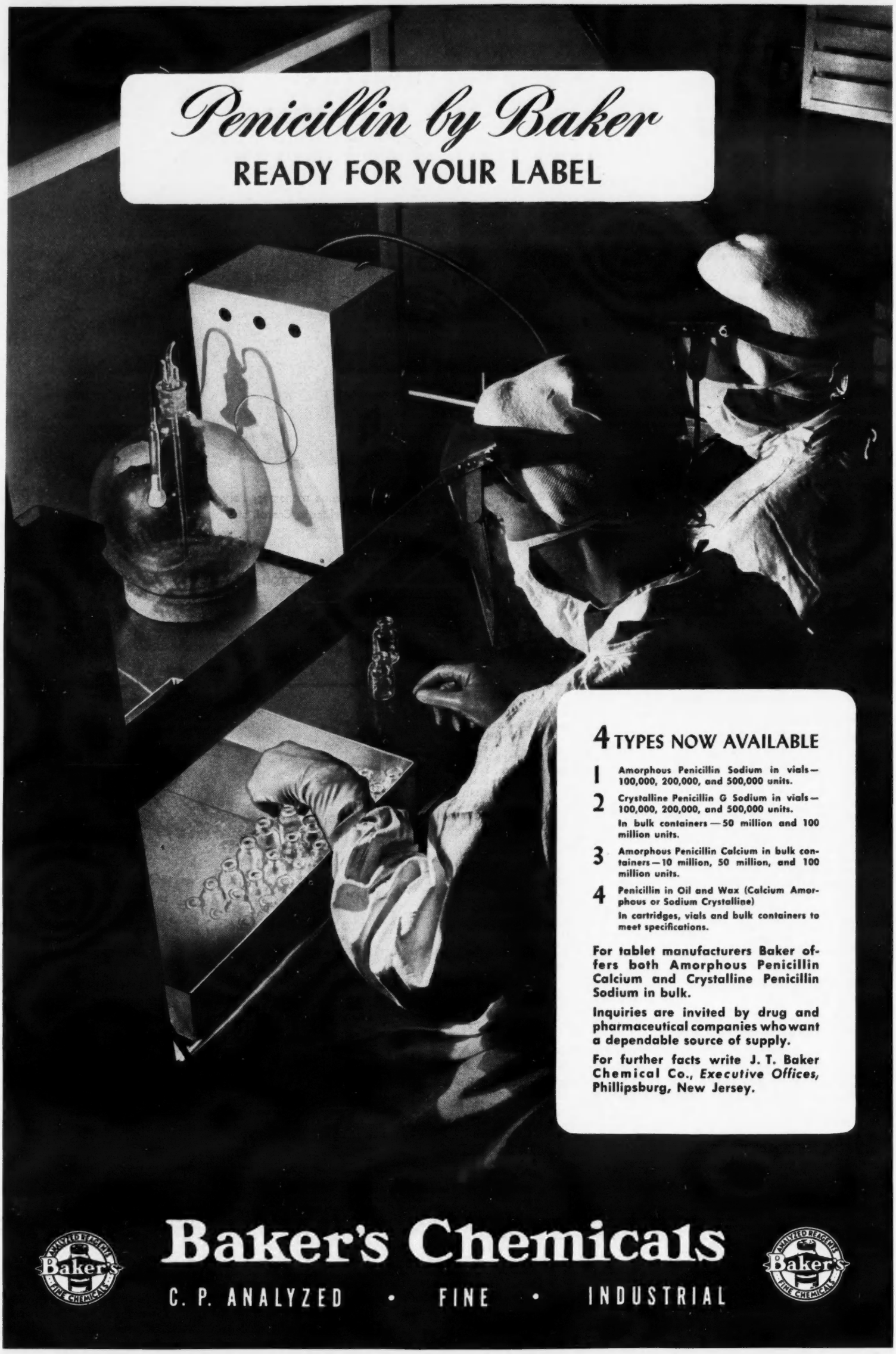

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Drugs and Fine Chemicals

A precipitate decline in silver bullion prices on Monday of last week; a further and very sharp drop in castor beans for shipment; a rejection of bids filed for the purchase of 1,250,000 gallons of alcohol offered by the U. S. Commercial Company; the streng hening of butyl acetate and alcohol as the result of the rise in corn prices; the completion of a barter arrangement involving 100 metric tons of codliver oil to be shipped by Norway in exchange for products of the Belgian Congo; the marked weakening of prices on fishliver oils; the arrival of 1,389 drums of foreign made glycerin; the report of heavy buying of powdered milk by a government agency; the death of the Office of Price Administration on May 31; and the uncertainty regarding continuation of the government purchase of cinchona bark and its derivatives even though extention of allocation control being granted by Congress as asked by President Truman late in previous week—such were the principal developments last week in the market for drugs and fine chemicals.

Demand in the market as a whole was fairly steady but hardly expansive. Buyers showed a disposition to keep their activities within the limits of immediate necessity, yet their needs were numerous and the available supplies were none too plentiful. The result was a general firmness in most prices and the absence of price competition between sellers. Secondhand operators were often able to obtain prices substantially higher than the official quotations of producers—almost certain evidence that supply and demand were still out of balance.

Acetone—Production has been hurt by labor troubles but there is some reason to expect that their end is in sight and a return to a normal, total output for the industry may come soon. Meanwhile, the demand keeps stocks in tight position.

Acid, Acetylsalicylic—The general run of new business was fair in size and deliveries against old obligations were on a fairly satisfactory basis. Prices continued to be well stabilized.

Acid, Benzoic—Resellers reported more business involving comparatively small quantities of the USP acid. Business with the producers was active and the equivalent of recent total volume of trade. Prices were fully steady.

Acid, Boric—Leading producers priced the article in most instances on the identical basis of bulk granular at $95.50 per ton in paper bags and crystals as well as powder, paper bags, at $104. Tenders against existing contracts were very good and in line with existing obligations. The general undertone of the market was one of stability.

Acid, Citric—Seasonal expansion in actual consumption has been hampered by somewhat unseasonal weather in most parts of the country but the producers look forward to a Summer of increased consumption on the part of the bottled beverage industry and more acid should be available this year than last.

Acid, Nicotinic—Prices have been well stabilized for some weeks past and the entire situation has been one free from unusual competition. Trade was normally active throughout the past week and market conditions remained steady.

Alcohol—Sales of Cuban alcohol brought here by the Reconstruction Finance Corporation have encountered resistance by potential buyers. The latest lot, one of 1,250,000 gallons, offered by the U. S. Commercial Company, subsidiary of RFC, remains unsold. Bids submitted on the lot were rejected by the government agency. The cost of this alcohol to the government was said to have aggregated 77.7c. per gallon, duty paid—and the duty was 12c. per gallon. The agency did not reveal what the bids submitted were. It may be recalled that a previous lot, bid at 41½c. per gallon was retained by the government agency on the basis of the bid being far below what the agency had paid for the lot retained.

One alcohol producer is having labor troubles in the form of a strike which is understood to have begun on May 15 but the settlement of which is not expected to be long drawn out. Despite the reduction in industry output bound to result from the plant of one producer being struck, the general position of the alcohol makers is moderately satisfactory and since the industry as a whole thinks the RFC method of selling alcohol is inflationary, further offerings by that agency are likely to encounter resistance.

Aloin—The market has become steadier since the late decline in prices. Reduction in production costs has been adjusted and most interested factors felt that the present schedule would remain in force for some time. Much depends on raw material costs and at the moment they have become somewhat steadier.

Amyl Acetate—Demand pressed less hard on the market but in the main the recession of request was moderate for the time being at least. Supplies were said to be slightly more adequate but no real surplus was in sight. Prices remained very steady.

Bismuth—Salts were in very steady request, those of major importance being the object of an especially good sized and exceptionally steady request. Prices were firm in all respects, reflecting the position of bismuth metal that holds well at $2 per pound under good demand.

Butyl Acetate—The trend in raw material used in Illinois and Indiana has been upward of late. Sales of corn during the week ended May 23 totaled 89,899 bushels, compared with 75,533 bushels in the previous week and 3,866 bushels in the corresponding week in 1946, according to reports from the Chicago Board of Trade. The rise was attributed to export sales.

The rising cost of raw material placed fermentation butyl acetate in a position in which production costs were advancing and some look for June prices to show an advance.

Butyl Alcohol—Since raw material costs of some producers are advancing, it may be that material produced in some parts of the country will have to fetch higher prices in June.

Castor Oil.—Although prices on oil failed to decline further, they were none too steady because of the continued downward tendency in castor bean prices. Bean prices dropped to $170 per long ton, f.o.b. Brazilian ports. The supply of oil was also increased by the arrival of 884 drums from Brazil, where the tendency is to make oil and ship more of it with a view to getting the manufacturing profit which is lost when only beans are sold. However, castor beans grow in many parts of the world and any shrinkage in Brazilian bean exports would mean an increase in bean imports from other parts of the world.

Imports of beans last week totaled 29,395 bags, or 4,409,250 pounds, against 22,141 bags, or 3,421,150 pounds, in the previous week and 43,081 bags, or 6,462,150 pounds, in the corresponding week, 1946.

Total arrivals since January 1 this year became 744,947 bags, or 111,742,050 pounds, comparing with 652,873 bags, or 97,930,950 pounds in the corresponding period, 1946.

Cinchonidine, Cinchonine—An American producer of these two derivatives of cinchona bark advertises that ample stocks are available for prompt shipment. It may be recalled that a large user has been scouring the market for supplies because expected deliveries from abroad had not been made.

The President has recommended that Congress extend allocation con-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Corn syrup, 42 deg., 56c. per 100 lbs.

Prices Reduced

Castor beans, $20 per long ton.
Fishliver oil, concentrates, 4c. per million units.
Silver, bullion, 2c. per oz.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
253.5	253.5	252.7	212.9

(For Current Prices see Page 9)

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Uses: Antiseptic, fungicide and spermicide.

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Ethyl Caffeate, C.P.

Props: Yellow to tan crystals, M.R. 144-147° C; ash: 0.1% maximum; very soluble in alcohol; insoluble in water.
Uses: Food antioxidant.

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Props: Fine white crystals; melting range: 143-5° C; soluble in water and alkalis; insoluble in alcohol.
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trols for another year but his recommendation did not include the extension of the public purchase program on cinchona bark and its derivatives. It is presumed that the program will die on June 30 unless Congress determines otherwise.

Codliver Oil—News from Leopardville, Belgian Congo, according to ANETA, was that Norway will deliver to the Belgian Congo 100 metric tons of codliver oil under a barter arrangement under which the Belgian Congo will supply Norway with some raw materials that Norway needs. The arrangement fell within a recently signed Belgo-Norwegian Trade Agreement.

The oil market on spot last week was reasonably active but the main selling against the needs of next Winter has yet to develop and importers expect a lively market when the requirements enter the market in earnest.

Corn Syrup—Late in the previous trading period, prices on syrup were raised 50c. per 100 pounds, reflecting the continued advance in prices being paid for corn in the Middlewest. Barrels in carlot quantities became $6.15 per 100 pounds; less carlots, $6.30.

Fishliver Oils—Concentrates of 200,000 or more A units were lower at 36c. to 40c. per million units of vitamin A. Lower potencies were as follows:—8,000-15,000 units, 12c. per million units; 15,000-30,000, 13c.; 30,000 to 60,000, 15c.; 60,000-100,000 units, 20c.; over 100,000 units, 23c.

Glycerin—Foreign glycerin arrived here in major quantities last week. During the period, 281 drums reached here from Buenos Aires, Argentina; 103 drums came from Montevideo, Uruguay; 1,000 drums from Bombay, India, and 5 drums from Rotterdam, Holland.

The local market for glycerin held firm at unchanged prices for refined material but the crude market was not too firm. Tallow has been on the weak side in recent weeks, an important consideration for soapers and those who recover glycerin.

Menthol—The market has tended toward firmer price position and some sellers have advanced prices accordingly. However, the brokers who sit between buyers and sellers have indicated that sales have been made around $8.50 per pound despite the fact that $8.60 is minimum in some directions.

Milk Powder—The Production and Marketing Administration, Department of Agriculture report on purchases of milk powder during the period May 1 to May 9, inclusive, revealed large scale activity. During that period, purchases of spray process skimmed milk powder totaled 18,382,600 pounds at 10c. per pound, mainly, although two transactions at 9.875c. took place. Purchases of roller process skimmed milk powder in the same period of time totaled 6,068,700 pounds at 9c. per pound. No whole milk powder was reported bought.

Quinine—President Truman has recommended that allocation control of cinchona bark, quinine, and quinidine be extended for the period of one year. Allocation was officially due to die on June 30 unless Congress should act otherwise and it may be recalled that late in March, the house passed HR 1983 by the terms of which allocation control would be continued to December 31, 1947. The date was changed to June 30, 1947 by the senate which then passed the bill.

Since the President's recommendation said nothing about continuing the public purchase of cinchona bark and its derivatives, authority so to purchase is due to expire on June 30 unless Congress orders otherwise.

According to a despatch to ANETA from Costermansville, Belgian Congo, the quinine production plant built there during the war is now capable of processing 350 tons of cinchona per year. Cultivation of cinchona bark in the Belgian Congo was stimulated during the war that cut off supplies of quinine from the Netherlands East Indies. Cultivation by Congo planters was instituted in the Kivu district. The 1947 crop is estimated at 600 tons

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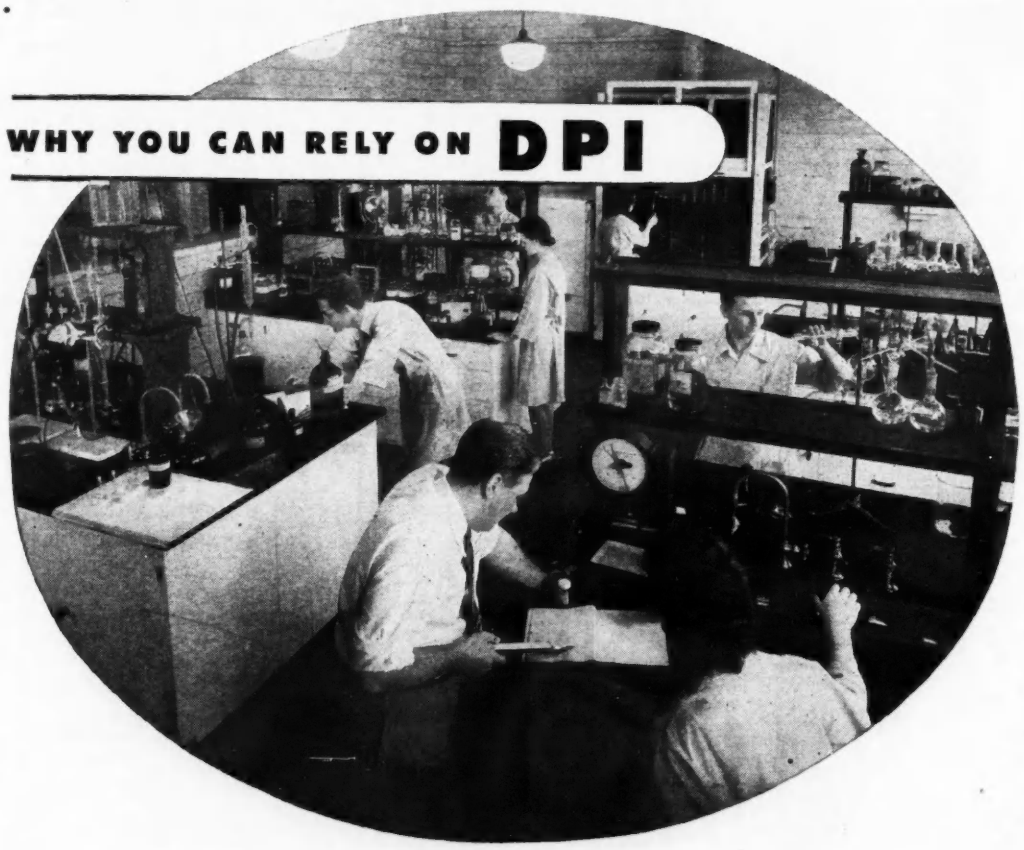

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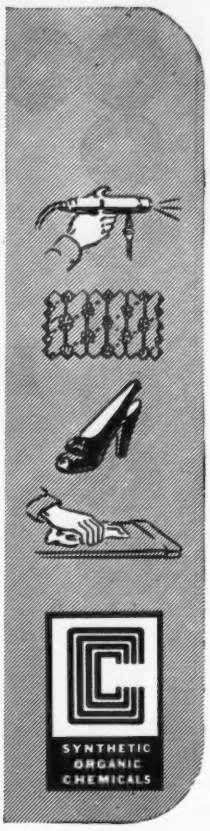

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Santonin—Not too plentiful on this market, according to further reports in which prices at $175 per kilo were declared to be very firm. Small requests were being met with fair promptness but buyers in large lots would find it difficult to do prompt delivery business. Reports concerning merchandise arriving from foreign parts of late have not included landings of santonine from Russia.

Silver—Bullion had been exceptionally steady at 72¾c. per ounce for several weeks but on last Monday prices dropped abruptly to 70¾c., tying the low for the year as set on January 20.

Salts were in good request and stability dominated the price structure as a reflection of the stabilized cost of the raw material.

Silver Price Range

	Per ounce—New York	Per ounce—London
High	Mar. 6—86¼c.	Jan. 2—85½d.
Low	Jan. 20—70¾c	Feb. 5—44d.

Lederle Increases Grant For Toxins Research

An additional grant of $31,000 to support research on the nature and mode of action of bacterial toxins and toxoids has been made by the Lederle Laboratories division of the American Cyanamid Company, New York, to Western Reserve University, Cleveland, Ohio. Lederle's contribution last year was $15,000.

President Winfred G. Leutner of the university, announcing the additional fund, said that the research staff working under the Lederle grant had been increased to seven. The work is under the direction of Dr. Louis Pillemer, associate professor of immunochemistry, who during the past year has produced two purified toxoids—those of tetanus and diphtheria. The work of Dr. Pillemer and his staff is considered an outstanding achievement of the year in preventive immunology. For a time it will be chiefly concerned with the antigens of whooping cough bacillus and the toxins of tetanus, diphtheria, and various forms of staphylococcus.

Sharp & Dohme Promotes Krieger

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, has promoted Charles A. Krieger to director of the pharmaceutical production and warehousing section. He was formerly manager of the company's Philadelphia branch.

Mr. Krieger has also served with Sharp & Dohme as manager of its Chicago and Los Angeles branches, and was previously associated with the Ellicott Drug Company, Buffalo, N. Y.

Trade Briefs

Anchor Hocking Glass Corporation, Lancaster, Ohio, has elected Howard V. Fulton to its board of directors.

Palmer-Shile Company, manufacturer of drum-handling equipment, has moved to its new plant at 16000 Fullerton avenue, Detroit, Mich.

S. B. Penick & Co., botanical drugs, New York, has sold $1,960,000 of 3¼ percent sinking fund debentures due in 1967 to an institutional investor.

Reheis Company, Inc., is the new name adopted by the Schofield-Donald Company, manufacturer and distributor of fine chemicals for the food, cosmetic and drug industries, Newark, N. J.

Abbott Laboratories, Chicago, common stock in the amount of 7,000 shares was recently offered for sale by A. G. Becker & Company at a price of 71½, with a discount to dealers of 75 cents a share.

Miller Laboratories To Move June 7

E. S. Miller Laboratories, pharmaceutical chemical and biological suppliers, Los Angeles, is moving its plant and offices to a new location at Maple avenue and Twenty-seventh street, Los Angeles 11, on June 7.

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VanPelt & Brown Appoints Dr. Bond

VanPelt and Brown, Inc., pharmaceutical manufacturer, Richmond, Va., has appointed Dr. William R. Bond medical director of the company. Dr. Bond has been affiliated with the medical research department of Schering Corporation, Bloomfield, N. J., and was formerly medical director of Rare Chemicals, Inc., Nepera Park, N. Y.

Parenteral Drug Association To Hear Van Winkle, Block

The Parenteral Drug Association will have a dinner meeting June 6 in the Hotel New Yorker, New York. The charge will be $5.75.

After dinner the association will be addressed by Dr. Walton Van Winkle, jr., secretary of the therapeutics trials committee of the A.M.A. Council on Pharmacy and Chemistry, on "Chemical Research and the Therapeutic Trials Committee," and by Dr. Richard J. Block, of New York Medical College, on "The Future of Amino Acid and Protein Therapy."

Sharp & Dohme Moves Denver Headquarters

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, has moved its Denver sales office to new quarters at 1525 Wynkoop street.

The company is planning several other branch expansion moves which are expected to be made within the next six months. The Minneapolis and Los Angeles sales offices will be moved to new locations sometime in the vicinity of June 1.

Schering Supports Research In Radio-Opaque Media

Schering Corporation, manufacturer of x-ray diagnostic agents, Bloomfield, N. J., has established a research fund to support further studies in the field of radio-opaque media by Dr. Harold L. Temple and Dr. Sydney Weintraub, of the department of radiology of Cornell University School of Medicine, N. Y.

Trade Briefs

Loeb Equipment Supply Company, Chicago, has moved to new offices at 1923 West North street in the same city.

Kenneth H. Linsner has been appointed sales manager of the Dr. W. B. Caldwell Company Division of Sterling Drug, Inc.

Pepsi-Cola Company has appointed Edmond B. Loughlin assistant vice-president in charge of its new fountain syrup department.

Col. Richard Boebel, recently discharged from the United States Army, has joined the staff of Breese, Enloe and Elliott-Smith, Inc.

California Chemical Salesmen's Association will meet for cocktails and dinner, at 6 p.m., June 20 at the Del Mar Restaurant, San Francisco.

Subtilin Bacillus Miscalled

The number designation of *Bacillus subtilis* was erroneously stated by the Department of Agriculture regional research laboratory in the report on subtilin output and purification which was printed in OIL, PAINT AND DRUG REPORTER of April 7. The designation, "(A.T.C.C. 7080, NRRL 537)," under the subhead, "Purification Process," on page 5, should have been (A.T.C.C. 6633, NRRL B-543).

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This amendment to Order M-131 also releases CINCHONINE and CINCHONIDINE, but supplies of these two Cinchona Alkaloids are still somewhat limited. However, orders for reasonable quantities can be filled in rotation.

QUININE, QUINIDINE and CINCHONA BARK remain under Civilian Production Administration control with little likelihood of release at any early date. Supplies of QUININE and QUINIDINE are extremely scarce and allocations continue to be granted only sparingly for their restricted uses.

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Botanical Drugs, Spices, Gums

Conditions in the market for condimental and flavoring botanicals are not very encouraging at present. The downward trend of prices proceeded last week without the least sign of any slackening in the nearby future. Sellers of such entities during the period under review stated that doing business was far from pleasant, that there seemed to be no bottom to prices in any market, and that the declining market has dried up all but the most pressing of immediate requirements. Sales were at a new low ebb.

On the other hand, botanical drugs showed far less activity in prices than they had in recent weeks. In point of fact, while two major declines are listed below, the developments actually took place in the closing hours of the previous week and, therefore, botanical drugs during the period under review were actually exceptionally steady.

Which was a somewhat odd circumstance in view of the fact that demand did little more than simmer. The marked withdrawal of buyers that had featured the market in recent weeks continued without abatement and trading was definitely restricted, orders being "small and few to the hill."

Some fairly encouraging reports concerning collections in this country have not been too common of late, but the situation at least holds some promise of possible betterment. There is a labor shortage in the primary market and fewer workers mean smaller collections. However, encouragement may be found in the fact that the collection is fairly broad-gauge, covering the entire range of materials in fair fashion.

Reports from abroad are rather thin as to factual content and hardly sufficient to serve as the basis for sound conclusions as to the extent and size of the probable collections. However, there is reason to expect that more goods will be gathered this Summer than was the case a year ago and in a minor degree, prices may be somewhat more attractive if the need for foreign countries to create dollar credits shall continue to be as prominent a need as it is at present.

Balsams

Copaiba—The market was so quiet that some sellers were inclined to accept bids made at reasonable limits. Open quotations lacked change.

Fir—Not a great deal of Canadian balsam was actually on spot and the market continued to be basically firm as to prices but not especially active as to demand.

Imports Detained by FDA

Week Ended May 22

New York

Adonis vernalis, 47 bags: moldy and water-damaged.
Arnica flowers, 63 bales: contains pupae.
Cassia oil, 35 drums: rosin and heavy metals.
Cod oil, industrial, 100 drums: decomposed.
Colombo root, 346 bags: live and dead insects and insect bored.
Cottonseed meal with castor pomace, 1,000 bags: contains poisonous substance.
Fenugreek seed, 356 bags: filthy.
Gum tragacanth, 398 bags: sand and other extraneous matter substituted.
Hyoscyamus muticus, 33 bales: not official variety of henbane.
Mace, 142 cases: insect infested, live and dead insects.
Marjoram, 140 bags: filthy.
Nutmegs, 103 bags: moldy and wormy.
Olive oil, 25 drums: decomposed.
Papain, 56 cases: moldy; substance other than papain substituted.
Pepper, black, 25 bags: moldy and contains insect infested berries.
Tea seed oil, 515 drums: unrefined oil; unfit for food use.
Turmeric, split bulb, 500 bags: zedoary substituted.
Thyme leave, 101 packages: filthy.

Baltimore

Cinnamon bark, 52 bales: wood substituted for bark.

Philadelphia

Glycerin, dynamite, 23 drums: not USP.

Market Trends

Prices Advanced

Drugs

None

Other Articles

Mustard seed, Montana, brown, 1½c. per lb.
yellow, futures, ½c. per lb.

Prices Reduced

Drugs

Ginger, African, ½c. per lb.
Lobelia herb, 3c. per lb.
Senega root, 10c. per lb.

Other Articles

Anise, Chinese, star, ½c. per lb.
Cyprus, ½c. per lb.
Syrian, 1c. per lb.
Caraway seed, Danish, ½c. per lb.
Dutch, ¼c. per lb.
Syrian, 1c. per lb.
Cardamom, decorticated, Guatemalan, 2c. per lb.
green, Alleppey, 3c. per lb.
Coriander seed, Argentine, ¼c. per lb.
Cumin seed, Persian, ½c. per lb.
Syrian, ½c. per lb.
Dill seed, decorticated, ½c. per lb.
Laurel leaves, Greek, ½c. per lb.
Italian, 2½c. per lb.
Portuguese, choice, ½c. per lb.
Turkish, 1½c. per lb.
Marjoram, Chilean, ½c. per lb.
Mustard seed, Montana yellow, spot, ½c. per lb.
Nutmegs, West Indian, spot, 4c. per lb.
futures, 4c. per lb.
Oregano, Portuguese, 5c. per lb.
Pepper, black, spot, 2c. per lb.
futures, 3½c. per lb.
red, chillies, Niger, ½c. per lb.
Poppy seed, Dutch, ½c. per lb.
Rosemary leaves, Spanish, 1c. per lb.
Sage, Dalmatian, 1c. per lb.
Greek, 1c. per lb.
Spanish, ½c. per lb.
Turmeric root, Madras, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
282.3	282.4	280.9	289.3

(For Current Prices see Page 9)

Barks

Cinchona—Importations last week totaled 708 bags from Central America and 50 cases from Rotterdam, Holland. President Truman has requested Congress to extend allocation control for one year. He failed to suggest that the public purchase of cinchona also be extended. Such buying is due to die on June 30 unless Congress shall direct otherwise. The house passed last March a bill extending allocation to December 31, 1947 but the senate has not acted so far as known.

Soap—Total importations in 1946 were 1,165,674 pounds, which compares with the 1945 total of 1,087,709 pounds. Demand was rather irregular but was fairly active from the standpoint of jobbing needs. Prices were generally steady and in line with well maintained shipment prices.

Beans

Vanilla—In all respects, the spot market was firm as to price. Although demand has not been all that it should have been in view of the primary market position of new crop French beans, some improvement in consumer interest has developed quietly and trading has been more than sufficient to keep competition in terms of prices aloof from the present market.

Berries

Cubeb—No further arrivals from the primary market have been noted and the comparatively small amount of stock now available on spot was being held at prices tending to become firmer from day to day. At the moment, practically no competition prevailed locally.

Hawthorn — A tendency toward price competition was noted and it was intimated that a firmer order in hand might be placed for less than the market price quoted at 57c. to 58c. per pound.

Flowers

Arnica—More arriving merchandise has been detained because of poor quality and the presence of foreign matter. It is proving very difficult to create an adequate reserve of this article.

Clover Tops—Jobbing business alone prevailed last week and there was not much of that in the market at any time during the period. Prices were reasonably steady but some

For Late Market Developments, See Page 4

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- ☐ Blackberry Bark of Root
- ☐ Horehound Herb
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- ☐ Coeculus Indicus
- ☐ Colombo Root
- ☐ Corn Silk
- ☐ Elecampane Root
- ☐ Henbane Leaves
- ☐ Capsicum
- ☐ Jaborandi Leaves
- ☐ Jalap Root

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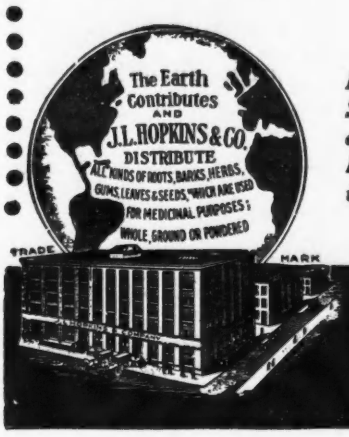
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tendency toward competition persisted.

Rose—Better than fair sized stocks of pale flowers was reported in a very dull spot market last week. The tendency was to shade prices when firm orders for important quantities should appear.

Saffron—Although Spanish flowers in tins were quoted minimum at $37 per pound, it was said that firm orders could be placed for $1 less on occasions where the business was of attractive size. Single pounds were the usual unit of sales last week. Mexican flowers remained firm.

Gums

Aloe—The market was fairly easy in undertone. Stocks of some varieties were substantial in size and not a great deal of buying was reported regardless of price. Consumers seemed fairly well stocked against the manufacturing requirements of a reasonably remote future.

Arabic—Prices have declined about as much as is possible under the conditions now prevailing in the primary market where a definite floor exists. Competition was rather keen on spot since the actual demand arising from consumers was none too large or active during the past week. Excellent reserve stocks were in the hands of local dealers.

Benzoin—The market on Sumatra gum continued to be competitive and prices were braced none too steadily in local circles where demand was definitely moderate in size and consisted mainly of jobbing needs.

Olibanum — Jobbing business for siftings and tears was very fair and more than sufficient in volume to keep prices to a reasonably steady basis throughout the past week.

Herbs and Leaves

Adonis Vernalis—Detention of 47 bags because of the goods being moldy and water-damaged prevented a needed swelling of stocks in this market. The market has gained firmness in recent weeks.

Belladonna—During the past week, 6 bales of this article reached here from Liverpool, England, and if released, will find ready buyers since the shortage of unsold leaves is more than acute.

Buchu—Local dealers still reported stocks to be on the short side and, while demand has not been very active of late, the absence of normal reserves has been more than sufficient to keep prices definitely firm. Arrival of 76 bales from Capetown, South Africa.

Henbane—Prices continued to be reasonably steady but possibly to a slightly less prominent extent than had been the case. An arrival of 58 bales from Alexandria, Egypt, was reported last week. Also, 33 bales of recently arrived henbane were not released because they were not the official variety of that article.

Laurel—Greek leaves were lower at 11½c. to 12c. per pound. Italian was down to 10½c. to 11c. and ordinary Portuguese was lowered to 10½c. to 11c. Ordinary Turkish could be had for 10½c. to 11c., too.

Lobelia—The market prevailed at the lower price of 70c. to 73c. per pound that was reached during the previous trading period.

Marjoram—Chilean was shaded to 9½c. to 10c. per pound for spot goods, which was identical with the price asked futures in the primary market. French marjoram came into the market at 34½c. to 35c.

Oregano—Portuguese was lower at 19½c. to 20c. per pound. Italian goods sold fairly well around 27c. per pound, but the tendency was downward.

Rosemary — Spanish goods became more competitive and open quotations at 12c. to 12½c. per pound probably could be shaded with a firm order in hand and calling for a substantial quantity of the merchandise.

Sage — The market continued to weaken under the absence of more than jobbing demand. Dalmatian of exceptionally mellow flavor was lower at 25c. to 26c. per pound for spot goods. Greek leaves were down to 21c. to 21½c., and Spanish could be bought for 14½c. to 15c.

Miscellaneous

Cantharides — The market on Chinese flies was competitive and op-

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N.F.

Gelsemium

22

Gelsemium, a name derived from *Gelsomina,* Italian for jasmin, is the yellow jasmin, State flower of South Carolina, so called for the shape of its blossoms. Why it is *Giftjasmin* to Germans, meaning "poison jasmin," or *Jasmin Sauvage,* meaning "savage jasmin" to the French, is perplexing.

Perhaps they have heard of the Mississippi planter, ill of fever, who took gelsemium by mistake and went into a semi-coma. But did not hear how he recovered, free of the fever which did not return.

Its wide use on southern plantations led Dr. F. P. Porcher, St. John's, S. C., to report it to the American Medical Association in 1849. Its formal presentation to medicine was through the American Eclectic Dispensatory of Dr. John King in 1852.

Our Almanach

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June 7, 1879—Missouri river bridged with steel.

June 8, 1795—French revolution ended.

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portunities for spot sales were few and far between last week. Little Russian material was available on spot and its price, compared with that for Chinese flies, was prohibitive.

Manna—Demand was better than hand-to-mouth and yet considerably less than what might be called normal trade in the article. Moderate stocks were priced at steady quotations.

Papain—Some shipments arriving here have been found adulterated by some unspecified substance. However, a fair reserve exists at the moment and present demands can be cared for promptly in most quarters.

Roots

Aletris—Deliveries in the primary market were reported showing an increase over the collections previously mentioned and it seems likely that a fair reserve will be created by the close of the gathering season. Meanwhile, a quiet market remained firm in price.

Blueflag—Next to nothing is being carried over into the new season and collections thus far have not been entirely encouraging for those hoping for a liberal gathering this year.

Gentian—Stocks were plentiful and prices remained comparatively easy in a market noted mainly for the jobbing quality of its demand.

Goldenseal—New plots that were set out by the cultivators have not reached the time for profitable collection. The new crop of three year old root is not expected to be substantially more than the moderate total acquired last year.

Licorice—An arrival that totaled 9,233 bales was noted last week but it was for the account of a manufacturing consumer. Stocks held by drug houses were reported fair in size last week and the market continued to display the unsettling influence of wider competition.

Senega—The market was easier and a deal more competitive as the primary market thrust goods forward and found buyers more than reserved. The spot price dropped to $2.15 to $2.20 per pound and firm orders might be placed to even greater price advantage.

Turmeric—Madras was shaded to 17½c. to 18c. per pound. Alleppey root was obtainable on spot only in powdered form. Whole root in future arrival position lacked change in price.

Valerian—Belgian root was lightly stocked on spot and reports from the primary market fail to include news of an ample collection this Summer. Indian root was in good supply, locally. Demand was light.

Seeds

Anise—Cyprus seed declined to 29½c. to 30c. per pound and the Syrian article was available at the lower price of 29c. to 30c.

Caraway—Danish seed was cheaper at 25c. to 25½c. per pound and Dutch was down to 25½c. to 26c. for spots and 26c. to 26½c. for futures. Syrian natural seed was shaded to 19c. to 20c.

Cardamom—The sole changes in price came in Guatemalan decorticated seed which could be had at $1.18 to $1.20, and in green Alleppey which was available at $1.05 to $1.10.

Coriander—The market on Argentine seed was shaded to 5c. to 5½c. per pound. Peruvian seed lacked change.

Cumin—Persian and Syrian seed declined further reaching 25½c. to 26c. per pound.

Dill—Decorticated seed was more competitive and prices were reduced to 12c. to 12½c. per pound.

Mustard—Montana brown, delivered at New York, was priced at 15¼c. to 15¾c. per pound. Yellow, at the source, was higher at 16c. to 16½c. while for spot goods, 18c. to 18½c. was wanted.

Spices

Ginger—African root on spot was down to 14c. to 14½c. per pound and the asking price for futures at the source was 13c. to 13½c.

Nutmegs—West Indian material declined sharply to 66c. to 67c. per pound for spots and to 64c. to 65c. for futures.

Pepper—Black pepper declined to 28c. to 29c. per pound, thus failing to reach the 25c. level that was actually done in the previous week. Futures ranged 27½c. to 30c. per pound according to position. Niger chillies were a fraction lower at 23½c. to 24c.

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Isobutyl acetate, 10c. per lb.
Isoeugenol, 30c. per lb.
Lemongrass oil, 10c. per lb.
Palmarosa oil, 50c. per lb.
Savin oil, 85c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
197.1	198.0	196.4	209.8

(For Current Prices see Page 9)

The flavor industry was the only source of real demand last week, as a paralyzing apathy overhung the essential oils market as a whole. The expected seasonal upswing in orders from insecticide manufacturers has not as yet made itself felt, and soap and perfumery houses were still slow and cautious in their orders. In general it was agreed that, though business had not become any duller than it was two months ago, it was still far below its potential level; and that decided improvement would not be felt till towards the end of the summer, at which time dealers' stocks would have fallen off to the point where replacement would be necessary.

It was further felt that many dealers were delaying their orders in the hope that the present downward trend of prices would continue. The industry was in agreement, however, that prices could not be lowered appreciably save in a few items in short supply, and that present higher wages obviated the possibility of prices returning to pre-war levels. The general thought was that dealers were even now overstaying the market; and that, when they saw the price-structure levelling off, they would return with orders. For the present, however, dullness was the keynote of the market.

Reports from Russia announced that 49,000 of the 60,000 acres devoted to the cultivation of essential oils plants before the war were under cultivation at present. What impact this would have on the world market was difficult to say, since it was not known what exporting arrangements were contemplated.

Essential Oils

Bergamot—Prices for the artificial oil underwent a fairly sharp break last week, as a new low of $3.50 per pound was announced in some quarters. Two factors were responsible for the downward revision: the increasing quantities of the natural oil becoming available, and the general lack of interest in either type of oil. Prices for the natural oil remained steady at $4.95 to $5.50 per pound.

Calamus—A minor reduction of 50c. per pound established a new price range of $22 to $28 per pound. The overall picture remained the same, as stocks were stringently limited, and demand continued virtually nil.

Cananga—A somewhat more active call was noted for this oil, though even this increase did not establish the high demand that had been expected in some quarters. It had been thought that, should ylang-ylang not undergo price reductions, there would be a swing of interest to this less expensive oil; but the failure of ylang-ylang to weaken resulted instead in limited demand for both oils. It was expected that demand for cananga must advance noticeably in a short time, but meanwhile the small stocks now in this country were hardly more than able to fill the slightly increased demand noted. The outside price rose slightly, establishing a range of $8 to $9.10 per pound for the native oil, and $12 to $12.60 for the rectified oil.

Cassia—The situation on this oil continued one of the most encouraging of the essential oils, as supply was good and interest keen. The explanation was advanced that the steady demand for this oil, in contrast with the apathy shown towards others, was due to the fact that the oil is used by some seven or eight different industries, and that its position as one of the less expensive oils made it doubly attractive at this time, when much speculation could be heard as to the immediate future of the "luxury trade."

Celery—Reasonably large quantities of the seed oil were on the market, but the demand, normally small, was last week virtually non-existent. Price reductions on the inside established a range of $18 to $20 per pound.

Cinnamon—A notable reduction in the price of the bark oil was announced in some quarters last week, as the inside price sank from $62 to $40 per pound. The outside price remained steady at $65 per pound. Stocks were beginning to build up to some extent, and demand for both bark and leaf oil remained keen.

Clove — Despite reports of large quantities of oil ready for shipment from Zanzibar and Madagascar, doubt was expressed in most quarters that the result would be the rendering of prices on the American market more attractive than the $1.40 to $1.60 per pound currently in effect. The reason could be seen in these figures released by the Zanzibar Clove Growers' Association: of the 147,800 pounds of oil exported from July to December, inclusive, 1946, all but 1,419 pounds went to the United Kingdom—and that small lot went to the East African mainland. The situation, then, continued such that suppliers here could obtain only what stocks were not needed abroad, and then only at a resale price which naturally tended to keep the market high. Demand in this country continued high, but would soar much higher were it possible to offer stocks first-hand at a lower figure.

Cubeb—An appreciable decline established a new price range of $8.25 to $10 per pound. Stocks had improved to some extent, but could still be called extremely limited. Demand (keeping in mind the fact that normal demand for this oil is small) continued fairly strong.

Ginger—The outside price rose slightly, establishing a range of $9.50 to $12 per pound, as the expected seasonal upswing of the soft drink industry made its influence felt on the market. Stocks were fairly good, but it was predicted in some quarters that, should demand increase any further, a noticeable strain would be put on available supplies.

Guaiacwood—Prices on this oil, which had risen three weeks ago as a result of Paraguayan determination to have a floor price for exported oils, leveled off at lower figures as buyers reacted to the higher quotations by showing cold disinterest in the oil. The inside price sank to $2.60 per pound, though some suppliers were still asking $3.80. It was thought that some interest would begin to manifest itself in the lower-priced lots being offered.

Juniper—One of the foremost suppliers of this oil announced last week that, despite the general shortage of the berry oil, he was still in a position to keep his contract customers supplied with the domestic variety. Most dealers, however, had stricken the berry oil from their lists, and only minute quantities of the imported variety could be found anywhere. Both wood and tar oils were available in much greater quantity, but the demand for these types of oil continued small.

Mandarin—A slight increase on the outside made the current range for the Brazilian oil $8 to $8.40. The Italian oil continued steady at $10. Stocks were reported to be reasonably large, but demand was severely limited.

Ocotea Cymbarum — Demand for this oil remained at a high level, and stocks continued to build up. An increase announced in some quarters established a range of 90c. to $1.15 per pound. It was reported that large quantities of the oil were in shipment

For Late Market Developments, See Page 4

from Brazil, in addition to the three hundred drums that arrived last week.

Palmarosa—Although it had been noted over the past few weeks that some imports were beginning to trickle in from the Indies, stocks in this country were still quite limited. Although demand was still far short of normal, it stood ready to absorb larger quantities than were presently available. In reaction to the report that imports would increase appreciably in the near future, lower prices were announced in some quarters. Current quotations ranged between $7.25 and $9 per pound.

Savin—A slight improvement in available stocks sponsored an inside reduction, establishing a range of $5.75 to $9 per pound. Demand for this oil continued fair.

Aromatic Chemicals

Anisic Aldehyde—An increase of 40c. per pound had been noted in this product two weeks ago. It appeared last week that the increase had been slightly too high, as one dealer rescinded the rise to some extent by cutting his established price by 10c. Thus the range stood at $2.50 to $2.75 per pound. Stocks of the product were free, and demand was fair.

Benzyl Cinnamate—Quotations on this product, which had been steady over a period of some months, were lowered to some extent last week as supply became freer. The new range stood at $3.65 to $4 per pound. Demand for the item was not particularly strong.

Benzyl Formate—An easier supply situation and a mounting disinterest combined to lower the inside quotation from $2.10 to $1.95 per pound. Fairly large stocks were held by many suppliers, but they were meeting with some difficulty in moving them.

Benzyl Salicylate—Demand for this item stood at a somewhat higher level than for various other benzyl compounds, but an easier supply situation sponsored a decrease in this as well as other such compounds. Quotations last week ranged from $1.80 to $2.10 per pound, and it was reported that stocks were moving fairly rapidly at these prices.

Ethyl Acetate—A slight tightness in some quarters prompted an upward revision of prices, spreading the range from 25c. to 33c. per pound. Although demand for the product was not particularly strong, some suppliers were experiencing minor production difficulties, with the result that the rises noted were announced. Other quarters of the market, however, had surplus stocks of the material on hand, and kept their quotations steady at the inside figure.

Eucalyptol — The price reductions announced for eucalyptus oil over the past few weeks reacted upon the eucalyptol market last week, as lower prices of $2.65 to $3.25 per pound were announced. Stocks were described as good, and demand fair.

Isobutyl Acetate—Limited demand for this material sponsored a decline of the inside price to $1 per pound. Although this product had never been a particularly good seller, the mounting apathy in evidence at this time was a disappointment to some dealers who found themselves in a position to supply in unlimited quantity should the demand rise.

Isoeugenol—A thirty cent decrease on the inside established a new price range of $3.45 to $4.85 per pound. Demand for the material remained at a high level, though even on such an essential product the general dullness of the market had its effect. The supply situation was somewhat eased, but it was pointed out that, should the demand rise nearer to its normal level, available stocks would be in no wise adequate to meet it.

Phenylacetaldehyde — The market showed increased firmness last week, as outside quotations rose. Quotations for the pure grade ranged from $4 to $4.40 per pound, and for the 50 percent grade from $2.35 to $2.70 per pound. Most suppliers reported that demand for both grades continued at a high level, and that supplies were large enough to fill the demand without overmuch strain.

Trade Briefs

Van Gelder-Fanto Corporation, importer and exporter, of 52 Vanderbilt avenue, New York, has expanded office facilities and moved to larger quarters in that building.

Thrifty Drug Stores, Inc., is planning to erect a $5,000,000 home-office building in Los Angeles as soon as veterans' demands for building materials are eased.

Huyler's, candy manufacturer, Long Island City, N. Y., has acquired the H. L. Hildreth Company and the Phoebe Phelps Caramel Company, both confectionery manufacturers of Boston.

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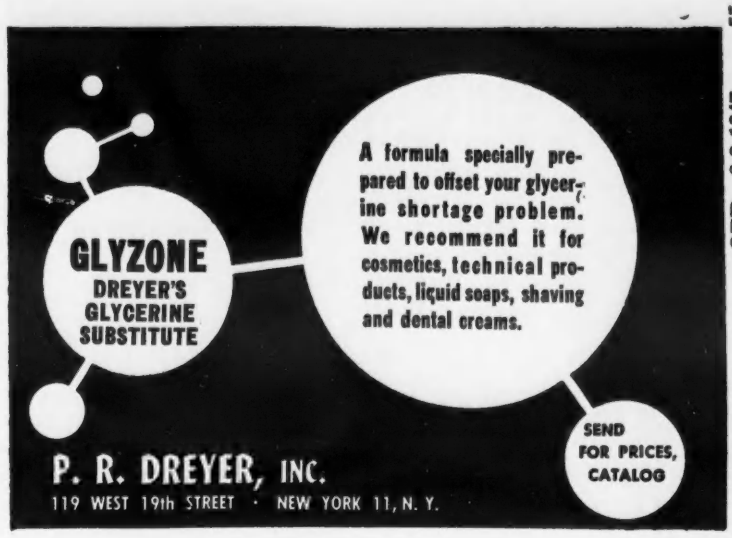
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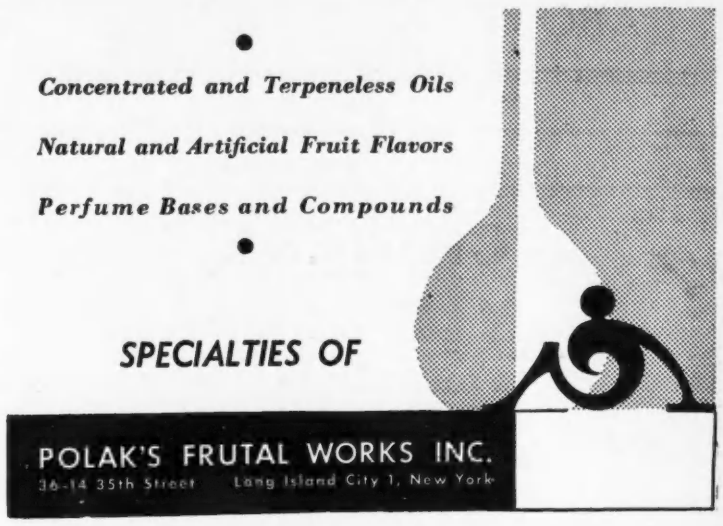
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Rheem Names Seltzer Eastern Plants Head

Rheem Manufacturing Company, equipment manufacturer, has appointed R. J. Seltzer manager of its eastern plants. He has been manager of the Sparrows Point, Md., plant for four years.

Mr. Seltzer joined the company in 1938 and has served variously as engineer, plant engineer, assistant plant manager and plant manager at the company's plants in South Gate, Calif., Chicago and Sparrows Point.

APMA Pacific Section Elects Quick Chairman

Pacific coast section of the American Pharmaceutical Manufacturers' Association elected Lelande Quick, vice-president and director of sales of E. S. Miller Laboratories, chairman, at its meeting held on May 22. Other officers named were Harlow B. Boyle, of Boyle & Co., vice-chairman; Keith Pattengill, of Don Baxter, Inc., secretary-treasurer, and Francis L. Henning, of Nion Corporation, chairman of the executive committee.

Metal Cans Shipments Show 14 Percent Increase

Total shipments of metal cans during March, 1947, showed a 14 uercent increase, according to the Bureau of the Census. These figures are based on metal can shipments expressed in terms of the weights of steel consumed in the manufacture of the cans shipped. In the month of March metal can shipments on this basis amounted to 180,256 tons, as compared with the 157,758 tons shipped during February.

Aroscent, Inc., Formed By Janovsky in N.Y.

Aroscent, Inc., a new organization which will deal in essential oils and will manufacture aromatic chemicals, has been formed in New York by Harold L. Janovsky, formerly aromatic division manager of Seeley & Co. Offices of the new company are at 118 East Twenty-eight street.

Rochester Drug Merchants Purchase New Building

Rochester Drug Merchants Exchange is buying a new building to which it is moving its warehousing operations, following the collapse of the upper floors of its old building. It is expected that installation will be complete within the next month.

Perchloric Acid Handling Covered in MCA Bulletin

The Manufacturing Chemists' Association announces the publication of Preliminary Chemical Safety Data Sheet SD-11 on perchloric acid solution, the eleventh in the series of chemical product safety manuals being prepared by them. Designed for supervisory staffs, management, and the chemist, the manuals concisely present essential information for the safe handling and use of chemical products.

The Data Sheet on perchloric acid solution gives the important physical and chemical properties of this product; usual shipping containers and methods for their unloading and emptying; container storing and handling; requirements for caution labels; and personal protective equipment.

Chemical Safety Data Sheet SD-11, "Perchloric Acid Solution" may be obtained at 20 cents per copy from the Manufacturing Chemists' Association, 608 Woodward Building, Washington 5, D. C. Send remittance with order.

Bristol Lab. Names Buryan Export Division Manager

Bristol Laboratories, Inc., Syracuse, N. Y., has appointed Edmund F. Buryan manager of its international division. Mr. Buryan was formerly associated with the export division of the William S. Merrell Company and the "Bayer" foreign division of Sterling Drug, Inc.

Trade Briefs

Albert Verley & Co., Chicago, has moved to new quarters at 440-450 West Superior street.

Monsanto Chemicals, Ltd., British subsidiary of Monsanto Chemical Company, St. Louis, has offered for sale to British investors $6,600,000 of ordinary and redeemable cumulative preference shares.

Koppers Company, Pittsburgh, has announced that it will offer 200,000 more shares of common stock for public sale in an underwriting agreement with a group headed by First Boston Corporation.

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Obituaries

Joseph D. Bohan

Joseph D. Bohan, vice-president in charge of the Centaur Company division of Sterling Drug, Inc., New York, died May 24, while attending the annual convention of the Pro-

Joseph D. Bohan

prietary Association of America, at Atlantic City. He was forty-one years old.

Mr. Bohan had been in the drug business for twenty-four years, starting in 1923 with the Kolynos Company. He was assistant export manager of that organization when control was assumed by the American Home Products Company, and left them in 1932 to join Sterling Drug. In 1945 he was elected vice-president of the latter company.

Just prior to his death he was re-elected vice-president of the Proprietary Association, and had held office in many other business and social organizations.

Wilbur H. Hyde

Wilbur H. Hyde, retired president of the Abner Royce Company, manufacturer of cosmetics and perfumes, died recently in Cleveland. He was seventy-five years old. Mr. Hyde was formerly secretary of the National Association of American Perfumers and was twice president of the Cleveland Advertising Club.

Vail P. Weber

Vail P. Weber, midwestern manager for Bristol-Myers Company, chemical manufacturer, New York, died May 25 at St. Francis hospital, Evanston, Ill. He was fifty years old.

Mr. Weber had been with Bristol-Myers since 1929, and was appointed midwestern manager last March. He had previously managed drug stores in Chicago for several years.

James S. Augustus, retired chief clerk of Standard Oil Company of Kentucky, died May 17 at his home in Louisville. He was sixty-four years old.

William A. Bradley, retired perfume manufacturer, died recently in Poughkeepsie, N. Y. He was sixty-nine years old.

Mr. Bradley was president of Bradley-Perfumer, Inc., New York, for twenty-three years. In 1911 he was president of the American Perfumers Association. He later held offices in the Association of American Manufacturers of Toilet Articles and the Toilet Goods Association.

Albert B. Howe, president and founder of the Howe Oil Company, Newport, Ky., died May 18. He was sixty years old.

David J. Kroll, secretary and treasurer of Art-Tex Adhesive Products Inc., died May 16 at his home in Brooklyn, N. Y. He was forty-five years old.

James E. Lathrop, eastern sales manager for Onox, Inc., chemical manufacturer, San Francisco, died May 24 at his home in the Bronx, N. Y. He was sixty-seven years old.

Dr. Walter M. Rankin, Professor Emeritus of Biology at Princeton University, died May 25 at his Princeton, N. J., home. He was eighty-nine years old.

John B. Starr, assistant general manager in India for the Standard Vacuum Oil Company, died suddenly on May 23 at the Taj Mahal hotel in Bombay, India. He was forty-nine years old.

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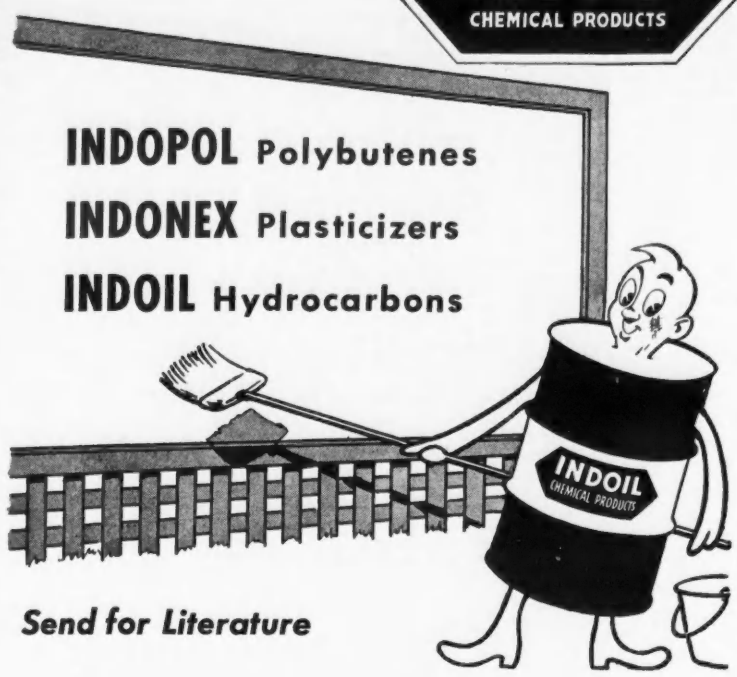

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Protective Coatings Materials

Last week was characterized by a temporary slump in the plastics industry and a somewhat comparable situation in the protective coatings industry as the result of buyer resistance.

Price reductions were effected by many suppliers of synthetic resins These price reductions amounted to 8 to 10 percent on alkyd resins of the oil modified glyceryl phthalate type, and were brought about by virtue of the eased supply and lowered costs of oils and glycerine. Recent declines on butyl alcohol and other raw materials permitted a price reduction on urea-formaldehyde resins of approximately 6 percent, and a 2½ percent reduction on certain melamine resins. In general phenolic resins were reduced in price by 8 percent, but most of these reductions were applicable to the rosin or rosin ester modified phenolics and were brought about by the recent declining rosin market. Most pure phenolics maintained the righer prices to which they were advanced early in the month because of the increased cost of phenolic ingredients. Pentaerythritol esters, straight and the maleic or phenolic modifications, were reduced in price by about 5 percent, as were also polymerized and hydrogenated ester gums.

Animal drying oils and animal drying oil fatty acids dropped in price by 8 percent. In the South steam distilled turpentine increased 5 cents per gallon in tanks and sulphate turpentine in the East dropped 5 cents per gallon at the yard.

Demand for tianium, lead. and zinc pigments continued to exceed supply and prices were firm. Carbon black of the channel type for the rubber industry became less critical by virtue of the settlement during the previous week of the petroleum industry strikes in the Texas panhandle, and natural gas was begining to flow to channel black producers.

The shellac market remained quiet, and orange shellac dropped off about 2 cents per pound. Gum rosin on the Savannah market advanced some 50 cents to 60 cents per hundred pounds. Natural resins remained in an extremely unstable condition so far as the market was concerned.

Acrylic resins in the plastics industry were still in a slump, and it was estimated that this condition would continue to prevail until an intensive promotional effort could build a wider domestic and peacetime market.

Market Trends

Prices Advanced

Turpentine, steam dist., 5c. per gal.
Rosin, E, 21c. per 100 lbs.
F, 1c. per 100 lbs.
G, 41c. per 100 lbs.
H, 41c. per 100 lbs.
I, 55c. per 100 lbs.
K, 80c. per 100 lbs.
M, 80c. per 100 lbs.
N, 80c. per 100 lbs.
WG, 80c. per 100 lbs.
WW, 70c. per 100 lbs.
X, 70c. per 100 lbs.

Prices Reduced

Animal oils, drying, 8%.
Methyl abietate, 1c. per lb.
hydrogenated, ¾c. per lb.
Resins, synthetic, alkyds, 8-10%.
ester gums, 5%.
melamine, 2½%.
maleic, 6-10%.
pentaerythritol esters, 5%.
phenolics, modified, 6%.
urea-formaldehyde, 6%.
Shellac, orange, 2c. per lb.
Turpentine, gum, 5¾c. per gal.
sulphate, 5c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
175.0	175.0	179.8	140.2

(For Current Prices see Page 9)

Prime Pigments

Zinc Oxide—According to a Bureau of Mines release, the production of zinc oxide in February was 11 percent below the January output but was almost five percent higher than the monthly average for 1946. This indicated a significant increase of production of this pigment for 1947, but manufacturers asserted that their plants are operating at full capacity. and that demand still exceeds supply. It was predicted that this situation in which manufacturers operate against a backlog of orders would prevail throughout the year. February production of pure zinc oxide amounted to 9,175 tons of American process, 2,060 tons of French process, and 888 tons of zinc oxide made from dust residues and scrap. Production in February of leaded zinc oxides up to and including the 35 percent leaded pigment amounted to 5,980 tons. Leaded zinc oxides of higher than 35 percent amounted to 542 tons. This brought the total of all zinc oxide pigment production to 18,645 tons. In this production there was consumed 20,464 tons of zinc ore and 5,563 tons of ore residues. Prices remained firm.

Titanium Dioxide—Demand for titanium pure and extended pigments remained far in excess of supply, and suppliers were continuing to allocate material to consumers on a fair basis of previous purchases. Prices remained firm.

Lead Pigments — There was no change last week in the lead supply situation. All pigments were scarce relative to demand, and prices remained firm. Some 141 drums of litharge were imported from Tampico.

Carbon Black—Channel black plants were getting back to work last week after the settlement of a strike of petroleum plants in the Texas panhandle, which had cut off their supply of natural gas. It was expected that the carbon black plants would soon be shipping their usual quota to the rubber industry which had been seriously hampered by the shutdown.

Iron Oxide Pigments—Some 998 barrels of iron oxide were imported last week from Malaga, indicating that there was some relief in the critical shortage of packaging materials which has been hampering the Spanish exporters of this pigment.

Organic Toners—The tight situation which has prevailed for months in this field still persists. The scarce supply of red and orange toners which are dependent on betanaphthol and on betaoxynaphthoic acid is due to the shortage of naphthalene. Since this material was in such heavy demand for phthalic anhydride production also, it was not expected that the situation will be relieved before early next year.

Fillers and Extenders

Asbestos — Imports of asbestos amounted to 2,877 bags last week, from Lourenca Marques. This was slightly over half as much as came in the previous week.

Barytes—The use of this material together with blanc fixe in several chemical processes including the manufacture of lithopone has maintained the rather tight supply situation. This shortage of supply was augmented by insufficient mine labor. Prices were firm. Some chemical processes which used to depend on barium carbonate have been switched to the use of barium sulphate.

Magnesium Sliciate—Fibrous magnesium silicate remained in fairly tight supply last week with prices firm. Shortages were attributed to be primarily due to labor shortages at the mines and insufficient boxcar shipping space making deliveries slow.

Talc—Last week there was imported 756 bags of talc, 470 bags coming from Bombay, and 286 from Genoa. Prices were firm.

Whiting — This extender pigment was reported to be in abaundant supply for both dry ground and wet ground materials. Prices were firm last week.

Synthetic Resins

Alkyds—Last week was characterized by more manufacturers of oil modified glyceryl phthalate resins reducing their prices to conform to current trends. In general the reductions in price varied from 8 to 10 percent, with the usual differential of ½c. per pound between carloads and less carloads being maintained. These price cuts were evenly distributed over the entire range of the various types of alkyd resins regardless of the type of

For Late Market Developments, See Page 4

OPD—6-2-1947 59

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A-22

oils used in their manufacture or the percentage of oil in the solids.

The price changes were attributed to the easing supply and lower current costs of oils and glycerin which the manufacturers of these resins passed on to the consumer of alykds. Hence, the lowered prices now being put into effect were not to be interpreted as a more free supply of these resins, because while oils were more abundant the production of glyceryl phthalate resins was still hampered by the critical supply of phthalic anhydride.

Prices were expected to remain firm at the new levels for quite a long time, unless unforeseen developments in the market make their appearance. ance.

Acrylic Resins—It was the feeling of manufacturers of acrylic resins for plastics that the current slump in this field, following the war, would be about over by fall. Only slightly increased production was expected by then, but it was felt that business would be in a healthier state. It was not expected by even the most optimistic that a production of these materials equal to war time production would be attained until after three or four years of intensive promotional work. The current slump resulting from 1947 cutbacks in molding and fabricating luxury items has been somewhat offset by other uses of industry such as molded automotive parts.

Chlorinated Rubber — Prices on natural and synthetic chlorinated rubber remained firm. The supply eased slightly but was still considered critical. Cyclized chlorinated rubber was much more readily available in quantity relative to demand, but prices were firm and so far this year remain unchanged.

Maleic Resins—Maleic resins as manufactured by different producers fell in price this week in the range of 6 to 10 percent, depending on the type of resin. Reasons for the lowered prices were principally attributed to the reduced price situation on rosin used in their manufacture. Maleic anhydride was still extremely critical in supply, and consequently these maleic resins were tight. This situation is not expected to be relieved in the near future.

Melamine Resins—The general supply situation on melamine resins was still critical last week. The reduction in prices on these resins that were effected consequently reflect lowered manufacturing materials costs. The price reductions were slight and amounted to only about 2½ percent. Prices were expected to remain firm at these levels in view of their critical supply in relation to demand.

Phenolic Resins—Effected this week by many producers was a price reduction of 8 percent on phenolic resins. This price reduction applied particularly to the rosin or rosin ester modifications, and the reasons given for the reduction in prices was lowered costs due to the recent decline in rosin prices. Very few of the pure phenolic resins were reduced in price in view of the increased costs on manufacturing these materials. It will be recalled that the first of the month saw an advance in price in some pure phenolics which was occasioned by advances in phenolic raw materials entering into them.

Rosin Esters — Polymerized rosin esters, hydrogenated esters, and pentaerythritol esters were in general reduced in price by 5 percent, due again to the lower prices on rosin. Straight and hydrogenated methyl esters of abietic acid were also reduced. Reductions on the pentaerythritol esters were essentially uniform for the straight ester, and for the phenolic and maleic modifications.

Urea-Formaldehyde Resins — The average price reduction on these resins made by various producers amounted to 6 percent. The lessened demand on these resins from the plastics industry has had the effect of making them more readily available to the protective coatings industry. The slackened situation currently prevailing in the plastics industry is, however, considered to be only a temporary situation. One of the factors permitting some reduction in the price of unrea-formaldehyde resins was the recent reduction in butyl alcohol.

Natural Resins

The market on natural resins continued to be unstable last week with prices high and somewhat erratic. Copal gum from Manila continued to come in to this country in what might be considered dribbles. Last week 286 bags were imported, but this went to three different dealers and no reliable price quotations on Manila gum can as yet be reported. Damar resin, which seems to be the most abundant relative to demand in this country, was high priced and was not considered critical in supply. Some 1,400 bags of Damar were imported last week, all from Singapore. Some five drums of Elemi from Manila also arrived last week.

Imports of natural resins are much below the pre-war level due mostly to the high price of these resins. There was considerable complaint about the practice of the Dutch Government in pegging copals and similar resins at volume reducing prices. Production of these resins was further hampered by political strife in the Netherlands East Indies, and other factors curtailing shipment were labor troubles and lack of shipping space.

Miscellaneous Materials

Shellac—Some grades of shellac, such as orange and lemon dropped in price last week by 2c. per pound. Other prices held firm. The shellac market was very quiet. It was reported that the Bysacki shellac crop may this year be only about 60 percent of last year's crop, but according to the Department of Commerce, stocks of gum are being held by speculators, and it was predicted that prices would ease when the Bysacki crop begins to reach the market.

In normal times large quantities of shellac was used in making phonograph records, and also had important uses in molding, leather dressings, and electrical manufacture. There has been a constant trend in all of these fields toward the use of synthetics. The vinyl resins, some types of which are now priced well below shellac are finding their way into the record manufacturing field.

Animal Drying Oils—A price reduction of approximately eight percent was effected last week on animal drying oils and animal drying oil fatty acids.

Naval Stores

The Department of Agriculture last week announced a price support program for the 1947 crop of gum rosin and turpentine. The support was pegged at 60.8c. per gallon for turpentine and $6.33 per 100 pounds for K rosin. These loan funds will be made available by the Commodity Credit Corporation through the American Turpentine Farmers Association cooperative of Valdosta, Ga., it was reported. This support program was announced to be effective immediately and to continue until December 31 inclusive.

There still remains to be set up the mechanics for administering the program, and a decision as to the support differentials between the various grades of rosin. It was reported that the lower grades of rosin will not be included in the support program. These support prices were based upon a figure of $119.02 per unit which is approximately 90 percent of parity. A unit constitutes 1,400 pounds of rosin and fifty gallons of turpentine. This support price is considerably above

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the unit support of last year which amounted to $93.91 per unit.

The New York market on naval stores did not undergo any change on rosin prices despite the advances on the Savannah market. Rosin oil, pine oil and gum turpentine remained the same. Sulphate turpentine dropped 5c. per gallon in carloads and steam-distilled turpentine at the southern plants advanced 5c. per gallon. The rosin and gum turpentine situation with its fluctuating market prices presented a difficult problem for New York dealers who operate largely on a 30-day inventory.

It was reported that France, which in prewar days was the second largest producer of gum rosin, will this year have to import considerable gum rosin because her production is expected to be only about one-third of normal.

Relative to the support price program now pending, some observers expressed the view that in so much as rosin Savannah prices are at relatively high levels and since producers are asking premiums of $1.50 over market prices, no support price program is justifiable because actual prices on rosin are well above parity.

Savannah, May 28.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted			
	Fri.	Mon.	Tues.	Wed.
B	$7.00	$7.00	$7.00	$7.00
D	7.00	7.00	7.00	7.00
E	7.10	7.51	7.31	7.31
F	7.60	7.91	7.61	7.61
G	7.60	7.91	8.01	8.01
H	7.60	7.91	8.01	8.01
I	7.60	8.05	8.15	8.15
K	7.60	8.05	8.15	8.40
M	7.60	8.05	8.15	8.40
N	7.60	8.05	8.15	8.40
WG	7.60	8.05	8.15	8.40
WW	7.70	8.05	8.15	8.40
X	7.70	8.05	8.15	8.40
	Drums			
Sales	...	80	14	52
Receipts	445	1,642	340	1,391
Shipments	...	2,872	...	4,081
Stocks	7,656	6,528	6,868	4,178

Savannah, May 28.—Following is a record of the turpentine market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Friday	63¼	34	435	376	1,167
Monday	63½	186	214	116	1,265
Tuesday	62	193	...	...	1,265
Wednesday	62	...	836	645	1,456

G.S. Ziegler New Lab Nears Completion

G. S. Ziegler & Co., compounder of fatty acid pitches, New York, has announced that its new research and customer service laboratory at the New Market, N. J., plant is expected to be in operation by August 1, and Carl E. Hillers has been engaged to supervise the division.

Mr. Hillers was formerly chief chemist of the Tile-Tex Company, and has been associated with the research divisions of Flintkote Company, Sloane-Blabon Company and Certain-Teed Products Corporation. He will be assisted in his new post by Philip Dexheimer.

Metal Powders Use

—Continued from page 5

continuous feed, multiple stage classifier which was capable of sharp particle size cuts at favorable high recovery of recoverable fines, and described both types of apparatus in detail.

Electronic Components

In a paper entitled "Electrical and Electronic Components From Powdered Metals," Erle I. Shobert II, of the engineering department of Stackpole Carbon Company, St. Marys, Pa., discussed the role metal powders play in the properties of such parts and what is to be desired from metal powder producers in the future.

Dividing his talk into five main classifications, electrical contacts, metal graphite brushes, permanent magnets, soft magnetic materials, and high frequency iron cores, the speaker reviewed new developments and techniques in each of these fields, and summarized his findings into a series of general conclusions.

First mentioning that an improvement in the cost of the powders would increase their field of use, Mr. Shobert stressed the importance of controlling the various physical and chemical properties of the metal powders in production, and declared that "improvement in the general properties of powders such as purity, pressing properties, uniformity, etc., is to be desired."

Bringing up his final point, he said that investigation of new and radical processes and procedures for making metal powders is very important, and urged that "methods which would promise widely different types of powders from those now produced should be investigated."

Other Papers Read

Other papers presented at the meeting were "Cost Calculations in the Production of Powder Metallurgy Parts," by Dr. Henry H. Hausner, consulting engineer of New York; "New Developments in the Production of Metal Powder Parts," E. E. Ensign, Ford Motor Company; "Stainless Steel Powder," John D. Dale, president of Charles Hardy, Inc., New York; "Copper-Lead Bearings from Metal Powder," E. R. Darby, director of research for Federal-Mogul Corporation, Detroit, and "Bearings, Bushings and Allied Products," by A. J. Langhammer, president of Amplex division of the Chrysler Corporation.

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Rubber Chemists

—Continued from page 7

ber cause stickineess, but he declared that they can be added more liberally to natural rubber without unfavorable results.

Tests of Plasticizers

Reporting on experiments with various types of plasticizers, F. M. McMillan and B. O. Blackburn, of Shell Oil Development Company, and V. V. Wheeler and R. M. Vance, of General Tire & Rubber Company, said that the tests provided evidence that by the use of a suitable extender-type plasticizer, together with added carbon black in carefully balanced proportions, GR-S tread stocks "can be extended to a greater degree than has been commonly considered possible without appreciable sacrifice of road wear."

Following this report, H. A. Freeman, of the Goodyear Tire & Rubber Company, read a paper describing methods of accelerating the curing of tires, in which he stated, "it can be demonstrated that the cure time cycle could be reduced from thirty to forty percent if a thin inner tube could be substituted for the present-day conventional airbag during tire cure."

"However," he continued, "this is impractical because such a thin tube will buckle or collapse on multiple cures, and when it is used the tire bead cannot be adequately shaped," and he stressed the importance of using an airbag of proper dimensions and contour.

Incompatible Softeners

Use of incompatible softeners in the molding of synthetic rubber was discussed in a paper prepared by A. M. Gessler and A. F. Sayke, of Standard Oil Development Company, in which they declared that rubbers prepared with these softeners retain molded shapes indefinitely and therefore require less care in processing.

Tests have shown, they continued, that there is a particular incompatible softener suited to each major type of synthetic rubber.

A paper prepared by J. M. Willis, L. B. Wakefield, R. H. Poirier and E. M. Glymph, of Firestone Tire & Rubber Company, said that isoprene-styrene copolymers and polyisoprene may be especially useful in applications where dynamic modulus and low internal friction are predominately important, but added that these types of synthetic rubber seem to be inferior in low-temperature properties and resistance to stretching and cut.

Resistance to Oxygen

A report by Hugh Winn and J. Reid Shelton, of the Case School of Applied Science, described their experiments in the preparation of raw materials for synthetic rubber tires, in order to increase the resistance to the ravages of oxygen.

GR-S rubber prepared by the alum method, they said, is far lass vulnerable to attack by oxygen, and added that phenyl-betanaphthylamine proved to be most effective as an anti-oxidant in a concentration of one percent.

A paper presented by G. D. Kratz and I. Katz, of the Norwalk Tire & Rubber Company, Norwalk, Conn., and H. H. Young jr., of Columbia University, said that molecular stability enhances the ability of certain chemical compounds to speed the vulcanization of rubber. Resonance in the molecule, the authors said, reduces the activity of compounds that accelerate vulcanization.

Nitrogen Supply

—Continued from page 3

develop the 1947-48 allocation recommendation. It said its task is complicated by two other problems.

The first was said to be the inevitable hazard in making allocation recommendations for a whole year in advance. The second, it said, is the strong preference of nitrogen exporting countries to dispose of their surplus production in hard currency areas, notably the United States.

In regard to potash, the committee reported that production during the current fertilizer year may be as high as 3,100,000 tons, compared with a prewar production of 2,700,000 tons. For this reason, and because the deficiency of potash in most soils is not of the same immediate critical urgency as that of nitrogen, the central committee approved the discontinuance of allocation recommendations.

Approval was also granted for termination of the allocation program for soluble phosphates, because the committee felt that prospects were that supplies and effective demand would be sufficiently in balance to warrant the move.

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Agricultural Chemicals

Shortage of available stocks restricted trading in the basic fertilizer chemicals during the past week. The inquiry was active and considerably above the present supply. According to trade reports, a number of contracts for ammonia sulphate and superphosphate will expire at the end of the month and interest is steadily mounting in forward shipments. Producers are writing contracts for muriate of potash and state that demand has exceeded probable production. The allocation of French potash has arrived here in full. Importers state that prospects at present for additional shipments are uncertain as the season is ending in France and it is not known how much the French colonies will require over the coming year and what amount will be left over for export to foreign countries. Ammonia nitrate and cyanamide have remained tight with shipments behind contract schedules. Nitrate solutions have continued in active demand with some producers prepared to accept contracts on July 1.

Market conditions in packinghouse byproducts did not change last week. The declining tendency has been checked by support chiefly from the feed trade. Nitrogenous tankage was priced higher with quotations showing a differential, according to the producer. Sewage sludge was also advanced.

Buying interest in the insecticide and fungicide materials was rather quiet with buyers showing a tendency to operate on the same conservative basis recently noted. The supply situation was irregular with a gradual tightening noted in stocks of the lead based chemicals.

Nitrogenates

Ammonia Sulphate — Inquiry increasing for July forward shipments. Current production moving rapidly enough to prevent any stock accumulations, while output is maintained at a higher level than noted a month ago. Buying conditions have continued tight for immediate shipment.

Bone Meal—Prices for raw and steamed bone meal were sustained at former trading levels under support mostly from the feed trade. Stocks were not heavy but sufficient to meet requirements without difficulty.

Castor Pomace — Occasional sales have been reported on the basis of $37.50 per ton works although the chief movement has been channeled to contract accounts.

Dried Blood—Some sales were reported at $7.25 per unit of ammonia to the feed trade and the market appeared fairly steady at this level throughout the week. Importations of 2,190 bags from South America were recorded.

Nitrogenous Tankage—Producers have named higher prices for this material. The range is from $4.50 to $5.50 per unit of ammonia depending upon the seller. Sewage sludge is also higher at $4.15 per unit of ammonia plus 40c. per unit of phosphoric acid. All prices are for bulk f.o.b. the works.

Soda Nitrate—Supply situation has remained definitely tight. Maintenance of demand at high level has absorbed all available stocks readily and kept buying conditions exceedingly tight.

Tankage — Buying interest from feeders has been sufficient to sustain prices at former levels. Offerings were not free but sufficient to meet the current extent of consuming demand without difficulty. Importations last week included 500 bags of tankage 4,200 bags of liver tankage and 1,572 bags of liver and glandular tankage from South America.

Phosphates

Phosphate Rock—Buying conditions have remained tight and will probably remain so until production is increased sufficiently to level off demand. Pressure for shipments from mines has not relaxed and the steady movement has prevented stocks above ground from increasing. Distribution has shown a better degree of regularity owing to the freer availability of boxcars.

Superphosphate — Continued tight for immediate shipment under the maintenance of active demand. Market position was described as firm with inquiry active for future shipments, particularly from points in the mid-western area.

Berlin advices state that Holland will ship superphosphate along with other chemical raw materials to the Soviet zone and will receive potash and metal goods in return.

Potashes

Inquiry has increased appreciably for contract shipments with buyers asking for considerably more than can be produced. At the present time, it looks as though about the same quantities will be delivered as in 1946-1947 and that production for the 1947-1948 season will be fully up to last year unless unforseen developments materialize. Prices for 60 percent K_2O muriate are 37½c. per unit at Carlsbad, New Mexico and 45½c. per unit of K_2O at Trona, California. Manure salts 22 percent are priced at 20c. per unit of K_2O f.o.b. Carlsbad. All prices are for bulk and quotations ex-vessel are discontinued. All the allotment of French potash has arrived here. The total was 16,500 tons. This material is said to have been sold at 85c. basis 60 percent K_2O. The fertilizer season is ending in France and it is not known at this time if additional allocations will be made to the United States.

Insecticides

Producers reported conservative buying of insecticides last week. The lead based chemicals were in tight supply and so was rotenone. DDT was reported to have shown some easement in stocks in some directions but remained tight in others. The trade has listened to discussions both pro and con over the effects of this insecticide on livestock fed with crops dusted with DDT. Interest is gaining in benzene hexachloride. Paradichlorobenzene is tight at present with possibilities of easement later this year.

Production of DDT in March was placed at 4,287,005 pounds, compared with 3,933,242 pounds in the preceding month, according to the Chemical Division of the Tariff Commission.

New York state's Department of Agriculture asserts that poisons applied by spraying and dusting may replace the spring meals of poisoned peanut shells which the State Department of Agriculture and Markets annually feeds to the unwelcome alfalfa snout beetles in Oswego and Jefferson Counties. The Department's Bureau of Plant Industry explained that the use of sprays and dusts to kill the snout beetles already has passed the experimental stage and at an early date may entirely supplant the poisoned peanut shell method of control.

Shippers of potatoes from the area quarantined for the Japanese beetle may use a new method of treatment during the coming season according to the Bureau of Entomology and Plant Quarantine. The new method may be used for graded sacked potatoes loaded in refrigerator cars, van type, or tight-bodied trucks, when applied to the satisfaction of a plant quarantine inspector and under his supervision. The treatment involves the use of DDT dust applied with a special approved device before and after loading. Its use removes the previous requirement that the hatches of refrigerator cars must be screened while they are moving through the generally infested area.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Nitrogenous tankage, 50c. to $1 per unit of ammonia.
Sewage sludge, 35c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.5	71.5	71.5	71.8

(For Current Prices see Page 9)

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Oils, Fats and Waxes

Improved trading in coconut, corn and soybean oils featured the market last week and resulted in fractional price advances. Increased buying interest, combined with higher lard, created a firmer tone in the oils and fats market. Sales of good volume in crude corn oil were transacted at an increase of 1 cent per pound. Coconut oil was higher under moderate trading and was advanced ½ cent per pound. Copra was irregular, fluctuating sharply, but maintained advances of $7.50 per ton. Bids were more numerous for soybean oil, with buyers and sellers 1 cent apart. Cottonseed oil was firm as stocks of old crop oil were scarce. Peanut oil also was in light supply and buyers raised bids 1 cent per pound. Firmer conditions prevailed in tallow and greases, though trading was limited to small lots, which were sold at ½ cent higher. Large buyers did not partipate, but offerings were closely held.

Selling pressure on tung oil was reduced and this improved the tone of the market with most sellers raising the price. Linseed and dehydrated castor oils were in slow demand and were quoted nominally.

Active export demand for oilmeals absorbed considerable tonnage and the market was boosted $3 to $5 per ton.

Witdrawals of Brazilian offers of carnauba wax for shipment, combined with the disappearance of distressed lots, resulted in sharp price advances in the local market. Reports from Brazil also stated that the government contemplated subsidizing carnauba wax production.

Cottonseed Oil

Reflecting the strength in lard, the cottonseed oil futures market was sharply higher last week. Volume of sales was moderate. Crude oil also was steady. Offers of old crop were scarcer and light trading was reported at 22c. per pound, tankcars, f.o.b. for June-July shipment. New crop oil sold at 18c. for October-November delivery. August was 20c. bid with no trading reported.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended Wednesday, May 28, follow:—

	Sales	Cents per pound—High	Low	Close
July	9	24¾	24	25@25½
September	12	20	19.40	21.20
October	4	20¼	20	20½S
December	5	18½	17¾	18@19¼
January	..	..	..	16½B
March	..	..	..	16½B
May	..	..	..	16½B

Total sales, 30 contracts.

Crude oil was nominal at 22c. per pound, tankcars, f.o.b. mills.

Memphis. — Market quiet. Old crop crude sold at 22c. per pound, Valley basis, and new crop at 18c., same basis, for shipment during Fall months. Cottonseed meal, 41 percent, sacked was steady at $66 per ton. Hulls, sacked, $18.50 and in bulk, $12.50, same basis. Cotton crop continues late, too much rain. Weather cool and many fields grassy.

Linseed Oil

With consuming demand practically nil, and resale oil reported available about 5c. per pound below crushers nominal quotations, the market continued a dull and listless affair last week. Reports were current of offers of resale raw oil at about 30c. per pound, tankcars in this area, and at 27c., Chicago. Consumers absorbed fair-sized quaintities against former orders, but showed no interest in replacements, preferring to reduce current inventories.

Minneapolis.—Crushers were operating between 10 and 15 percent of capacity in the Northwest. Prices were quoted nominally at 33.5c. to 35.5c. per pound, in tanks, zone 1, but no dealing was reported at these levels. Resale oil quoted as low as 30c. to 31c. a pound on scattered sales and most buyers appeared to feel that a 31c. or 32c. price was a bargain.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	4,100,000	4,440,000
Since Sept. 1	202,860,000	237,534,000

Flaxseed—Trading inactive. Market steady.

Minneapolis. — Flaxseed crop is anywhere from three weeks to a month late in the Northwest belt and trade interest centers on the acreage situation, acreage planted to date and the moisture supply—which is more than adequate in most of the belt. Cash situation was slow, spot flax at $6.25 per bushel and arrive bids at $6.00. The country was not interested in offering new crop flax at this price.

Bushels—	Receipts 1946-47	Receipts 1945-46	Shipments 1946-47	Shipments 1945-46
This week	28,200	37,000	17,000	3,000
Since Sept. 1	11,729,900	18,202,000	3,829,600	3,818,000

Market Trends

Prices Advanced

Carnauba wax, 5c. to 10c. per lb.
Coconut oil, ½c. per lb.
Copra, $7.50 per ton.
Corn oil, 1c. per lb.
Cottonseed meal, $3 to $5 per ton.
Lard, 3c. per lb.
Peanut meal, $3 to $5 per ton.
Soybean meal, $3 to $5 per ton.
oil, crude, ½c. to 1c. per lb.

Prices Reduced

Grease oil, 5c. per lb.
Neatsfoot oil, 4c. per lb.
Tallow oil, 5c. per lb.
Soybean oil, alk. ref., 2c. per lb.
clarified, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
199.8	202.2	237.1	193.5

(For Current Prices see Page 9)

Other Vegetable Oils

Castor, Dehydrated — Trading was reported light and mainly for immediate needs. Prices were unchanged and more or less nominal.

Coconut—Firmer tone featured this market and prices were increased ½c. per pound for crude oil, in sympathy with higher copra. Crude oil was held at 13½c. per pound, tankcars, f.o.b. Pacific coast, and 14½c. Atlantic ports.

Copra — Market fluctuated sharply last week but scored net gains of $7.50 per ton. Prices closed higher at $178.50 per short ton Pacific coast and $183.50, Atlantic ports.

Corn — Improved demand strengthened the market and sales of crude were made at 20c. per pound, tankcars, f.o.b. mills, an increase of 1c. above trading a week ago. Sellers were holding at 20½c. late in the period. Refined oil also was advanced to 24½c. per pound, tankcars, mills.

Oiticica — Consuming inquiry continued slow. Market was entirely nominal. Resale stocks on the spot are light and drums, less carlots, were quoted at 27c. per pound.

Olive—Importers have been notified that the Greek government has allocated 5,000 tons of olive oil for export to be sold to the highest bidders. Interest here was inactive and requests for bids by their representatives met little response. Demand for oil on the spot continued slow and market was merely nominal at $6.75 per gallon, drums, duty paid. It was intimated that this figure could be shaded on firm bids, which have been conspicuous by their absence. California oil was available at $6.00 per gallon, drums. Arrivals totaled 660 drums at New York from Spain last week.

Peanut—Crude oil sold at 22c. per pound, tankcars, f.o.b. mills, with bids later advanced to 23c. Offers were scarce. Most mills have completed crushing and some crushers who planned to operate through July are buying back their contracts for oil and meal as they find it more profitable to sell peanuts to the edible trade than to produce oil.

Soybean—Under a fair demand, this market was firmer and crude oil prices were advanced about ½c. per pound. Sales were reported at 20c. per pound, tankcars, for May shipment, and 19½c. for June and July. July-September shipment was 19c. bid and 19½ asked same basis. Refined alkali and clarified oils were reduced 2c. per pound, by processors. Alkali was quoted at 23.13c. per pound, tankcars, and clarified at 1c. per pound, less, New York delivery.

Prices of refined bleachable soybean oil in tankcars on the N. Y. Produce Exchange for the week ended Wednesday, May 28, follow:—

	Sales	Cents per pound—High	Low	Close
July	..	..	..	23 nom
September	..	..	..	20½ nom
October	..	..	..	17 bid
December	..	..	..	16 bid
January	..	..	..	15½ bid
March	..	..	..	15½ bid
May	..	..	..	15½ bid

Total sales, none.

Tung—Following some business at

For Late Market Developments, See Page 4

24½c. per pound, tankcars, most sellers were holding at 25c., which resulted in reduced buying interest. Tone of the market appeared steadier, with quotations nominal ranging from 24½c. to 25c. per pound for tankcars, as to seller. Demand for drums was restricted to less carlots, with sales reported at 27c. per pound. Arrivals at New York totaled 3,490 drums and 347 tons on the SS Lossiebank from Shanghai and Hong Kong, after being in transit for 5 months. Department of Agriculture announced May 23 that 1947-crop tung nuts will be supported through the offering of contracts to processors, in which the Commodity Credit Corporation will agree to buy tung oil at 25c. per pound, f.o.b. mills. Program is similar to that in effect during the war when prices were supported at 30c. to 36c. a pound to ensure the production of tung oil for war needs. Contracts for 1947-crop tung oil will specify the prices that crushers must pay growers for the tung nuts. The 1947 production of tung oil is expected to total 12,000,000 to 15,000,000 pounds.

Fats and Greases

Greases—Trading was limited to small lots at unchanged quotations last week. Offerings were at former levels.

Lard—Increased demand for export and announcement of additional allocations strengthened the market last week. Buying interest improved and prices were advanced 3c. per pound. Cash lard was quoted at 21c. to 21.10c. per pound, tierces and at 18½c. bid, loose, Chicago. Department of Agriculture announced the following allocations for the week ended May 23:—3,527,360 pounds of lard to Austria, May-June shipment and 500,000 pounds to United Kingdom, representing a reallocation of unshipped balance of allocation made in 1946 in exchange for New Zealand butter supplies to the U. S. Army. Department of Agriculture on May 28 requested bids for the sale of lard and rendered pork fat for shipment to the combined United States-United Kingdom zone of occupied Germany. It is expected that initial purchases under this program will total about 13,000,000 pounds. Awards will be confirmed not later than June 6. Further details about this purchase program can be obtained from Murray .T. Morgan, Livestock Branch, Production and Marketing Administration, Washington 25, D. C. Telephone Republic 4142, extension 3815.

Tallow — This market was firmer though trading light and limited to actual requirements. Prices were strong and advanced ½c. per pound for small lots. Offerings were well held.

Animal Oils

Grease Oil—Demand was slow and quotations were easier, declining about 5c. per pound. Prime burning was quoted at 21½c. per pound and common, No. 1, 19½c., drums, Chicago.

Neatsfoot Oil—This market was inactive and nominal. Prices were reduced 4c. per pound. The 15 deg. grade was quoted at 48c., 20 deg., 46c. and 30 deg., 45c. per pound, drums, works.

Tallow—Prices were lower and acidless oil was quoted at 19½c. per pound, drums, Chicago.

Cake and Meal

Cottonseed Meal—Sales were made for 41 percent meal up to $65 per ton, f.o.b. northern Alabama mills, a net advance of $5 for the week. Exporters have about cleaned Valley and Southeastern mills out of soy and peanut

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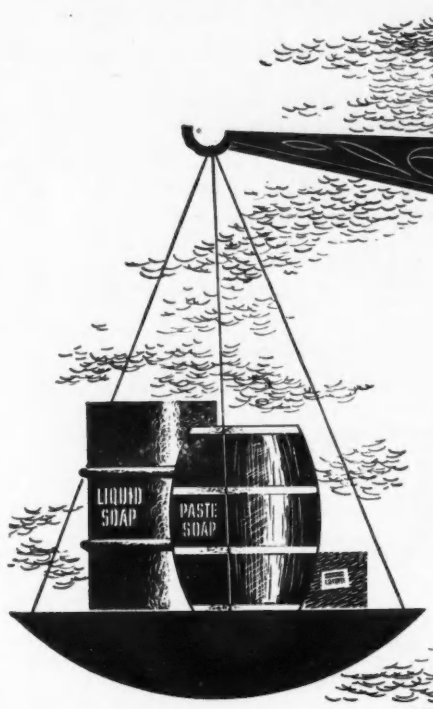

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and are in the market for cottonseed meal, paying $63.00, Memphis, for one lot of 500 tons, sacked 41 percent. One lot of 400 tons sold at $64.00 f.o.b. South Carolina mill point. All protein markets are strong, but there is little increase in demand by domestic consumers.

Linseed Meal—Inquiry more active. Market firm.

Minneapolis.—Meal prices were fairly steady at $63 to $65 per ton; the resellers were active at prices ranging from $62 to $63 per ton. Demand was not aggressive at any time, but there was no surplus of meal pressing on the market.

Shipments of linseed meal, in pounds, were as follows:—

	1946-47	1945-46
This week.....	4,860,000	4,260,000
Since Sept. 1.....	272,250,000	321,940,000

Peanut Meal—One thousand tons sold last week to exporters at $63.00, f.o.b. Georgia mills. Additional bids are in the market, but the tonnage cannot be located. Most crushers in Alabama and Georgia are about through for the season.

Soybean Meal—Additional lots 5,000 tons each to Sweden and Denmark were authorized last week. Since there is no large surplus of cottonseed and peanut meals it is expected that soy meal will have to comprise the bulk of additional shipments abroad. One lot of 770 tons sold last week at $66.00 f.a.s. New Orleans, to be shipped out of the Valley. Additional bids are in the market at $68.00. Most Valley and North Carolina crushers are now fairly well sold up, and are not offering.

Waxes

Beeswax—Trading continued slow last week. Prices were unchanged and merely nominal.

Carnauba—This market developed a firmer trend, following the withdrawal of Brazilian shippers from the market. Bids which were accepted the week previous were refused last week. Consuming demand also increased and distressed lots were taken from the market, causing holders of spot supplies to boost prices for all grades 5c. to 10c. per pound. Reports from Brazil stated that the government contemplated subsidizing carnauba wax stocks. Quotations were nominal. Chalky, No. 3, 90c. to 92c. per pound, on the spot, North country, No. 2, $1.05 to $1.07, North country, No. 3, 95c. to 98c., refined, $1.05 to $1.10, yellow, and No. 1, $1.25.

Ouricury—Business was light and for actual needs. Market tone was firmer and prices were advanced in some quarters. Crude wax was quoted at 55c. to 57c., and refined 62c. to 63c. on the spot.

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Petroleum Derivatives

Further increases in demand for gasoline were reported from all refining and terminal areas last week, and supplies remains tight and closely held. In like manner, demand for all fuel oils was heavy, with many producer reporting "unprecedented" call for residual fuels.

The continued growth of demand and shortness of stocks was causing suppliers in all areas to express concern about their ability to meet future requirements, and more and more pessimistic predictions of a Summer gasoline shortage and a Fall fuel oil shortage were being heard.

In the field of petroleum specialties, the outlook for the future was anything but bright in the face of these expected shortages. Particular concern was expressed about the future supplies of naphthas, and producers of these materials could see no additional stocks in sight in the near future.

For the present, most solvents and diluents were available in sufficient quantities to insure current deliveries, with demand, in most cases, equal to or above the level of previous weeks. V. M. & P. naphtha was said to be in tighter supply than most of these products, and some suppliers were unable to fill all requirements.

Fractionated materials have shown some improvement over the tight supply situation prevailing a month ago, with the seasonal slackening of demand for butane and a slight improvement in the availability of high-pressure tankcars and bottles for the transportation of propane being the main contributing causes.

Paraffin wax continued to be in extremely short supply despite the curtailment of export licenses which made additional quantities of scale wax available for domestic use. Suppliers in all sections of the country have reported their inability to meet the demand from the food-packaging industry and can forsee no improvement in the situation for some time.

Although prices in general have remained steady, one large supplier last week boosted heavy fuel oil prices, and considerable attention was being given to the possibility of raising quotations on light heating oils.

A release from the War Asssets Administration in Washington reveals that that agency has about 2,750,000 pounds of surplus petroleum greases and gear lubricants for sale at fixed prices ranging from 4c. to 10c. per pound.

An advice from Panama indicates that the import duty of 20c. per gallon on gasoline which was to have become effective on April 1 was reduced to 17½c. per gallon on that date, and word received from Saudi Arabia reports that the government of that country has raised the import duty on petroleum naphtha from two Saudi riyals to three riyals per five-gallon tin.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see Page 9)

Solvents and Diluents

Aromatic Solvents—Were reported to be in fairly good supply, with demand holding about equal to past weeks. Good quantities of petroleum toluol and xylol were said to be on hand for prompt shipment despite the continued activity of the market.

Cleaners' Naphtha—Continued high demand contributed a firm tone to the market, with supplies generally sufficient to meet requirements and prices holding at former levels. Producers were still inclined to be pessimistic about future supplies, but purchasers seem to be willing to satisfy immediate needs.

Lacquer Diluent—Market continued to show the stability that has prevailed for some time, with demand holding up well and supplies sufficient to meet requirements. High interest was reported in both the benzol and toluol types and current deliveries were being maintained by most suppliers. No change in quotations were reported during the period under review.

Mineral Spirits—Buyer interest continued to be manifested at a high rate, which has resulted in a general tight supply situation. Production continued to be at peak levels and most suppliers were able to meet the requirements of purchasers with current shipments. With the exception of the recent increase in west coast quotations, prices remained firm at former levels.

Stoddard Solvent—Although a slight tightening of supplies was reported last week, it does not seem to have materially affected the availability of this material, and most producers reported good stocks on hand for immediate shipment. Demand continued at the former good level and no changes in quotations were reported.

V. M. & P. Naphtha—The entire output of production of this material was still insufficient to meet all requirements, and producers could see no relief in sight for the extremely tight supply conditions. With shortages of gasoline and fuel oil being foretold for the near future, most sectors of the market could see no promise for additional supplies of this material.

Lighter Fractions

Butane—Very little change in the general market picture for this material was reported last week. Good supplies were reported to be on hand for immediate delivery from most producers as the expected seasonal slump in demand got into full swing. Movement of materials was said to be satisfactory and current prices remained unchanged.

Hexane — Representative quantities reported to be available for immediate shipment although the supply situation was described as being "far from free" and no surplus stocks were reported. No changes in price were noted during the period under review, with the laboratory grade quoted at 16c. per gallon in carload quantities in the Group 3 area.

Pentane — High production continued to meet the active demand on a current basis, and movement of materials was reported to be well maintained and prompt. Firm prices remained unchanged during the period under review.

Propane—Supplies of this gas would probably be better if sufficient high-pressure tankcars and bottles were available to transport the entire output of producers. However, transportation difficulties continued to hamper suppliers and, although some improvement in the overall supply picture has been noted, stocks continued to be relatively scarce. Demand continued at the former level, and no changes in quotations were noted.

Petrolatums and Waxes

Paraffin—Continued to be in very tight supply, with the demand from the food packaging industry outstripping production in all areas. The previously reported loosening of supplies of scale wax does not seem to have made any noticeable improvement in the overall supply situation, and additional large quantities of these waxes could be used to great advantage.

Petrolatums — Indications in this section of the market seemed to point toward a gradual loosening up of the persistent shortage of drums and shipping containers, which would in turn somewhat alleviate the tight supply situation. For the present, most suppliers reported representative quantities on hand for immediate shipment, and substantial amounts available to export buyers. The firm tone of the price structure remained unchanged during the week.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended May 17 totaled 237,303,000 barrels, according to the Bureau of Mines. Compared with the total of 236,500,000 barrels for the preceding week, this represents an increase of 803,000 barrels, comprising an increase of 1,076,000 barrels in stocks of domestic crude and a decrease of 273,000 barrels in stocks of foreign crude. Heavy crude-oil stocks in California, not included in the gasoline bearing stocks, totaled 5,701,000 barrels, a decrease of 63,000 barrels.

For Late Market Developments, See Page 4

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700*	5 Max.	195	2 to 2½	Nil	Nil

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3—Sperry Filter Presses—Rubber Plates and Frames, 24" and 36", 4 eye, closed delivery.

4—Shriver 42" Cast Iron and Wood Plate and Frame Filter Presses.

4—Vallez Filters; 20 series.

4—Devine No. 11, 40"x43" Vac. Shelf Dryers; (1) 60"x160".

3—Proctor & Schwartz Tray Dryers, 7'x7'x34".

1—Truck and Tray Dryer, 12'x68', oil heated.

1—Rotary Indirect Heat Dryer or Sugar Granulator, 6'x20'.

1—Louisville Steam Dryer, 54" dia. x 30' long, complete.

4—Ferguson Automatic Case Gluers and Sealers.

12—Wrap Around Labelers for Cans or Jars.

2—Mikro No. 1 Pulverizers.

22—Fitzpatrick Model D Stainless Hammer Mills, with Expl. Motors.

1—Stokes & Smith Automatic Auger Powder Filler.

4—Filler Mach. Co. S. S. Fillers, 3 to 11 Pistons.

6—Copper Pans for Coating, 20" to 38", belt driven.

1—Stokes No. 38 Electrically Heated Shelf Dryer.

2—Stainless Kettles, 500 Gal. —100 P.S.I., other sizes too.

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TABLET MACHINES

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3—Stokes "B" single punch, maximum 2-½" dia.
4—Stokes "F" single punch, maximum ¾" dia.

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2—6' dia. x 50' long LOUISVILLE ROTARY STEAM TUBE DRYERS, each with two rows of 54 tubes, 3½" and 4," gear reducer drive.
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2—56" dia. x 14' Direct Heat ROTARY DRYERS, ½ shells, with furnaces, semi-portable, all mounted on I beams.
1—6' x 60 ROTARY DRYER.

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2—Ingersoll Rand Dry Vacuum Pumps, 31x13", Type ES, 2830 CFM with V-belt drives.
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1—Swenson Quadruple effect Evaporator, same construction as 6-effect evaporators above. Evaporating capacity 60,000 lbs. of water per hour.
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2—Model 5040 Dixie Hammer Mills, "Monel".
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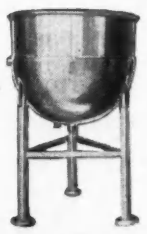

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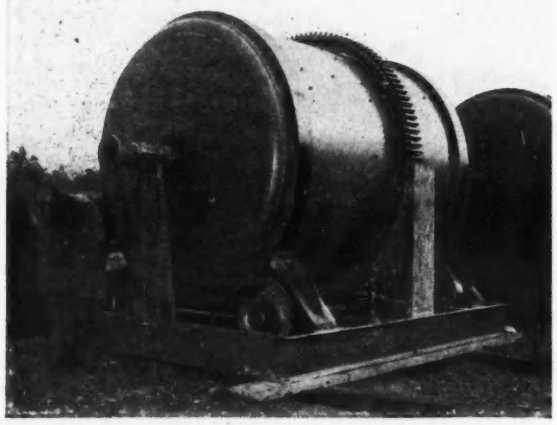

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Trade Briefs

Houdry Process Corporation, Wilmington, Del., has appointed Dr. Claude C. Peavy chief engineer. Dr. Peavy joined the company last year as chief of its process design division.

Petroleum products imported by the Philippines during 1946 amounted to 1,752,202 barrels, of which 703,340 barrels were from the United States and the balance almost entirely from the Persian Gulf area.

Socony-Vacuum Oil Company, New York, has reorganized its aviation department to place greater emphasis on the activities conducted by its field representatives and reduce the staff headquarters of the department.

Recent advice from London indicates that the British petroleum board has raised gasoline prices three cents per gallon and made corresponding increases of two cents per gallon on kerosene and one cent a gallon on diesel oil.

Crude oil imports into Argentina during 1946 reached a total of 22,547,100 barrels, of which 1,018,800 barrels were from the United States, 366,000 barrels from Saudi Arabia, 11,132,900 barrels from the Netherlands West Indies, and 8,638,400 barrels from Venezuela.

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2—Cottrell Electric Precipitators, 4,700 cu. ft. each, complete.

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2—Delaval extractors, 26 x 17" steel perforated basket, arranged for motor drive.

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2—Bonnet horizontal pug mills, 50 hp. motors.

12—1" and 1½" and 2" Worthington hard rubber pumps, complete with from 1/3 to 1 hp. enclosed motors.

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11—Complete sections of 9" and 12" screw conveyors, motorized.

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